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ABSTRACT

This statistical report was developed to inform administrators and planners in economic development, education, and employment and training in Oklahoma of the direction and magnitude of employment change in the state. The publication projects occupational and industrial growth and decline for the period 1986-1992, as well as the relationship between formal training program completers and labor market demand. The book replaces the 1984 edition with these new features: higher education completers added to the list of available entrants into the labor force (supply); a special section on unemployed claimants reported for each cluster and listed below the supply and demand reports; and detailed indexes for ease of use. The statistics are organized in the following two sections: summary of growth trends (top 40 occupations by annual growth, top 40 occupations by annual openings, fastest declining occupations); and supply/demand interface, listed by occupational cluster numbers in multiples of 10 (0010-1910). Information is indexed alphabetically by program titles, occupational titles, and cluster titles; and numerically by Classification of Instructional Programs (CIP) codes, occupational codes, and cluster numbers. (KC)

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Work Force Oklahoma

LABOR SUPPLY AND DEMAND

REPORT 1989

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Oklahoma State Occupational Information Coordinating Committee

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Work Force Oklahoma

LABOR SUPPLY AND DEMAND

REPORT 1989

SOICC

Oklahoma State Occupational Information Coordinating Committee

OKLAHOMA STATE DEPARTMENT OF VOCATIONAL AND TECHNICAL EDUCATION

STILLWATER, OKLAHOMA

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The 1989 edition of **Work Force Oklahoma: Supply and Demand Report** is intended to inform administrators and planners in economic development, education, and employment and training on the direction and magnitude of **employment change.** This publication will show the projections of occupational and industrial growth and the decline for the period 1986-1992, as well as the relationship between formal training program completers and labor market demand.

Occupational information has widespread applications. Knowledge of future labor market trends enables vocational education planners and administrators to identify programs that will have high future student placement rates. State and local Job Training Office planners, as well as other state agencies, use this information to indicate possible occupational areas most suitable for their target populations. Additionally, state and local economic development specialists find the data useful in responding to company representatives who are contemplating relocation.

Occupational analysis is particularly important to counselors, career decision makers, and job seekers. Individuals considering career paths should be aware of employment opportunities in an occupation before investing substantial time and money in training or job search activities.

This publication is to be viewed only as an **indicator of trends**, since changes in technology or the economic structure can occur without notice.

This report should be used as **one** reference source to aid in decision making. It should be used in conjunction with other sources (such as placement reports, economic indicators, etc.) for the **final** decision making process.

We solicit any comments and suggestions which you may have for the improvement of future efforts. We can only improve through continual refinement, by seeking the expertise of those who use this document.

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Auther Jordan.....Oklahoma Employment Security Commission
David Breedlove.....Oklahoma Employment Security Commission
Art Burkhart.....Oklahoma Employment Security Commission
Judy Gibson.....Oklahoma Employment Security Commission
Danene Hartman.....Oklahoma State Dept. of Vo-Tech
Ruth Peace.....Oklahoma State Dept. of Vo-Tech
Robert V. Keck.....Oklahoma State Regents for Higher Ed.
Dennis Rea.....Oklahoma Board of Private Schools
Vickie Purcell.....Talking Leaves Job Corps, Tahlequah
Delores Schneider.....Guthrie Job Corps Center
Royce Robinson.....Treasure Lake Job Corps, Indiahoma
Joni K. Gilton.....Texas Employment Commission
Kathy Thomas.....Oklahoma State Dept. of Vo-Tech
J.B. Morton.....Consultant
Pamela Frugoli.....NOICC
Rodney Slack.....NOICC

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COMMITTEE MEMBERS

EXECUTIVE COMMITTEE

DR. BOB FUNSTON
Executive Director
Oklahoma Employment Security Commission

DR. ROY PETERS, JR.
Director
Oklahoma State Department of
Vocational and Technical Education

MR. PHIL WATSON
Director
Oklahoma Department of Human Services

MR. DONALD D. PAULSEN
Executive Director
Oklahoma Department of Commerce

TECHNICAL STEERING COMMITTEE

MR. GLENN ROBARDS
JTPA Director
Oklahoma Employment Security Commission

MR. AUTHER JORDAN
Program Supervisor, Research
Oklahoma Employment Security Commission

DR. CHUCK HOPKINS
Assistant State Director
Oklahoma State Department of
Vocational and Technical Education

MR. JOHN SEARLE
Programs Administrator for Policy Development
Department of Human Services

MS. BARBARA CLEMENTS
Chief, Data Dissemination
Oklahoma Department of Commerce

CURTIS SHUMAKER
Executive Director
State Occupational Information Coordinating Committee (SOICC)

KAY BROWN
SOICC Specialist

State Department of Vocational and Technical Education
1500 West Seventh Avenue
Stillwater, Oklahoma 74074
(405) 743-5198, 743-5425

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SUPPLY DATA

Traditional **occupational supply** is defined as the number of workers in a specific labor market, or geographic area, that are available and qualified to fill jobs in an occupation. **Current supply** is the number of workers already employed in the occupation plus the number of unemployed persons qualified for and seeking work in an occupation. **Projected supply** is more narrowly defined as the number of workers expected to be available and qualified to work in an occupation at some future date.

The type of supply data used in this publication is **projected supply.** This information was provided by the approved certified and accredited educational training institutions throughout Oklahoma on students who completed their training program(s) during the school year.

The following groups make up the supply of qualified persons actively seeking employment in a specific occupation:

* Completers from training/educational institutions

* Currently unemployed

* Labor market net migration

* Occupational transfers

* New entrants and reentrants to the labor force

In the Oklahoma OIS report, only the first two groups are addressed. Migration, transfers, and labor market entrants are difficult to quantify because of the timeliness, cost, and availability of the data. Also, these labor market characteristics tend to change rapidly. It is readily apparent that the Oklahoma OIS actually refers only to available trained persons (labor resources) in the labor market, **NOT total supply as in an economic model.**

Oklahoma labor supply information can be used to assist in planning, monitoring, and evaluating private and public sector occupational training. In addition, since data can be used to estimate the available labor supply pool of significant occupations at the state and local levels, Oklahoma labor supply can be a key tool for economic development specialists as well as career counselors and job seekers.

Oklahoma labor supply information is maintained and reported on the number of education/training program completers by Classification of Instructional Programs (CIP) code. All data maintained by the system is segregated by reporting entity, as follows:

1. Vocational Education (Secondary)
2. Vocational Education (Postsecondary)
3. Public Higher Education (Associate and Certificate)
4. Public Higher Education (Bachelor's)
5. Public Higher Education (Graduate and First Professional)
6. Private Higher Education (Associate and Certificate)
7. Private Higher Education (Bachelor's)
8. Private Higher Education (Graduate and First Professional)
9. Private Schools (Postsecondary)
10. Job Corps
11. Currently Unemployed

Below is a brief description of the various reporting entities, along with the most recent reporting period for which labor supply data is currently available. The source that provides the SOICC with data for a particular reporting entity is also included.

1. Vocational Educational (Secondary) - The number of public secondary vocational education program completers by training institution, statewide and by Service Delivery Areas (SDA). July 1, 1986 - June 30, 1987. Source: Oklahoma State Department of Vocational and Technical Education.

2. Vocational Educational (Postsecondary) - The number of public postsecondary vocational education program completers by training institution, statewide and by SDA. July 1, 1986 - June 30, 1987. Source: Oklahoma State Department of Vocational and Technical Education.

3. Public Higher Education - The number of degrees conferred by higher education institutions, statewide and by SDA (Certificate, Associate Degree, Bachelor's Degree, Graduate, and First Professional). September 1, 1986 - August 31, 1987. Source: Oklahoma State Regents for Higher Education.

4. Private Higher Education - The number of degrees conferred by private higher education institutions and SDA (Certificate, Associate Degree, Bachelor's Degree, Graduate, and First Professional). September 1, 1986 -August 31, 1987. Source: Oklahoma State Regents for Higher Education.

5. Private Postsecondary - The number of program completers statewide and by SDA. July 1, 1986 - June 30, 1987. Source: Oklahoma Board of Private Schools.

6. Job Corps - The number of persons completing a job corps program, statewide and by SDA. July 1, 1986 - June 30, 1987. Source: Oklahoma Job Corps Centers.

7. Oklahoma Unemployment Insurance (UI) Claimants - The number of persons claiming unemployment compensation at a given point in time. For the purpose of this report, March of 1988 was used. Source: Oklahoma Employment Security Commission.

UI Claimants are reported in the Unemployment Report since individuals on unemployment are considered a part of the state's available labor pool.

UI Claimants are persons who are out of work at no fault of their own, who are able and available for employment, and who have certified through the employment service as eligible for compensation. UI claimants are also defined here as persons who have drawn at least one unemployment check during the sample month.

UI Claimants are included in this OIS report because, in many instances, they are a ready supply of trained and experienced workers. For the most part, the data list these persons by the occupation in which they were last employed.

The number of individuals claiming unemployment compensation for a particular month may vary for assorted reasons (i.e., seasonal workers, weather, plant closing, etc.). This data is a representative sample of the insured unemployed computer file which was judged as a reflection of the overall occupational distribution in a specified month during the year.

In order to determine the number of people unemployed in specific occupations, the UI Claimant's file was utilized. This file contains a listing of individuals (by Social Security number) who have received unemployment compensation checks for a given time period. Also listed is the occupation (by Dictionary of Occupational Title [DOT] code) in which the individual was employed at the time of unemployment.

Over 3,000 different DOT codes were used in this report representing approximately 19,000 individuals receiving unemployment checks during the month of March, 1989.

Due to the number of DOT's to report and space constraints of this publication, it was not feasible to report unemployment by DOT code, consequently a conversion crosswalk was used to report the data by it's corresponding Occupational Employment Statistic (OES) code. Therefore, each OES code listed under the Unemployment Report, may represent multiple DOT codes.

DEMAND DATA

Occupational demand can be defined as the number of job opportunities in a specific occupation within a defined geographical area at a given point in time. Otherwise stated, occupational demand is the number of jobs presently filled in a specific occupation plus the number of job vacancies that exist in that occupation.

It should be stated that Demand Data is not an actual head count of job openings for a particular occupation. Rather, it represents a statistical measure of the number of individuals working in a particular occupation and a projected estimation of the growth of those occupations based upon historical data.

To plan effectively, it is necessary to project occupational demand for future periods. In other words, it is necessary to determine the number of persons needed to fill all job openings in an occupation at some future time. To do this, it is necessary to maintain both current and projected occupational demand data, which is accomplished by using the Occupational Employment Statistics (OES) program.

Oklahoma's occupational demand data is developed by the OES program. This is a federal-state cooperative program involving the Bureau of Labor Statistics (BLS) and the Employment and Training Administration (ETA) of the U.S. Department of Labor and the Oklahoma Employment Security Commission (OESC).

Briefly, the OES program has three basic components: (1) the OES survey, (2) state and area industry projections, and (3) the matrix system. The OES survey is that phase of the program in which the staffing patterns of each industry are estimated. This is accomplished by contacting a representative sample of employers in each industry within the nonfarm wage and salary sector of the economy to determine the number of workers employed in each occupation in each sample establishment. These sample data are then inflated to the total nonfarm wage and salary employment yielding estimates for each occupation in every industry surveyed.

Industry employment projections are a key element of the program. Forecasts of employment by industry (three-digit Standard Industrial Classification [SIC] code) ultimately determine the level of employment in the occupational forecasts. Therefore, it is the industry projections, together with the survey data, that control the final output from the system.

Industry-occupational matrix development is the next phase of the program. The occupational estimates derived through the survey are arrayed in the form of an industry-occupational matrix. The employment for each occupation in an industry is described in terms of a ratio (or percent of total employment in that industry). By applying the industry projections to the ratios in the matrix, employment forecasts are derived for each occupation in each individual industry. These forecasts are then summed by occupation across all industries to reflect total employment for each occupation.

At this point, the occupational forecasts reflect only expansion needs, i.e., the number of additional workers needed during a one-year period as a result of expansion or growth in an occupation. Replacement needs, i.e., workers needed to replace those who die or withdraw from the labor force, are also estimated at this time for the one-year period. Replacement needs are computed basically from working life tables and age, sex distributions in the census. It is the sum of expansion and replacement needs that yields the demand (or job openings) data.

These procedures result in the nonfarm wage and salary occupational demand. This excludes the agriculture and private household industries plus the self-employed and unpaid family workers of all industries. In order to develop total demand, including all of these industries and classes of workers, special procedures were developed using census data as a base for these excluded groups. These data were updated, projections made, then merged with the nonfarm wage and salary matrix output to give the total demand. In conclusion, projected occupational demand is the number of job openings expected as a result of industrial expansion and is based on the following economic assumptions.

* No major wars or economic depression will occur which will significantly alter the structure of the national or state economy.

* The institutional framework of the national economy will not change radically.

* Government policy will encourage orderly economic growth.

* Recent technological and scientific trends will continue.

* Attitudes toward work, education, and leisure will not change significantly.

* Governmental entities will continue to operate under budgetary restrictions.

* Oklahoma population growth will not differ significantly from current projections.

The OES survey is considered to be the most reliable and accurate source of projected occupational employment data and is a vital link for providing information between Supply and Demand.

CLUSTER KEY

Each Oklahoma Cluster is divided into two parts: **DEMAND REPORT** and **SUPPLY REPORT.** The following is an example of how the **Supply/Demand Report** will look in this book and an explanation of the components of each:

OKLAHOMA WORK FORCE:
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1760 ARCHITECTS AND LANDSCAPE ARCHITECTS

DEMAND REPORT EXAMPLE:

DEMAND REPORT

Occupational title	Matrix CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Ave Growth	Annual SEP	Open Total
Architect	22302070	1,235	1,248	13	2	41	43
Landscape Architect	22301069	314	317	3	1	11	12
TOTALS		1,549	1,565	16	3	52	55

OCCUPATIONAL TITLE: The Occupational Employment Statistics (OES) title given to a type of occupation.

MATRIX CODE: The code for the OES data collected up to the matrix level of detail.

EMPLOYMENT:

Estimated 1986 — Total number of employed persons by occupation during the base year.

Projected 1992 — The total estimated employment by occupation projected from the base year.

AVERAGE ANNUAL OPENINGS:

Growth — The yearly increase or decrease in number of workers in an occupation due to economic expansion (or decline) in the industries employing those workers.

Separation — The yearly increase (or decrease) in number of workers in an occupation due to death, disability, and retirement of current workers in an occupation.

Total — The sum of average annual growth and average annual separations.

SUPPLY REPORT EXAMPLE:

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed Assoc./ Bac./ Grad			Priv. Post	Job Corp	Total Comp
ARCHITECTURE	04.0201	0	11	0	5	0	0	0	0	2	10	28
ENVIRONMENTAL DES	04.0401	9	7	5	5	5	5	5	5	5	5	56
LANDSCP ARCHITEC.	50.0402	1	1	1	1	1	1	1	1	1	1	10
TOTALS		10	19	6	11	6	6	6	6	8	16	94

PROGRAM TITLE: Title which best represents course content according to the Classification of Instructional Programs (CIP).

VOCATIONAL ED: Secondary and postsecondary completers of a vocational/technical program.

PUBLIC HIGHER ED: Completers of Public Higher Education programs including Associate and Certificate, Bachelor's, First Professional, and Graduate degrees.

PRIVATE HIGHER ED: Completers of Private Higher Education programs including Associate and Certificate, Bachelor's, First Professional, and Graduate degrees.

PRIVATE POSTSEC: Completers of private proprietary business or technical schools offering vocational programs.

JOB CORPS: Completers of Job Corps programs.

METHODOLOGY

The methodology used in this publication employed the **"units of analysis"** approach, developed by NOICC. A unit of analysis clusters a single program, or a group of programs with common occupational objectives, along with the related occupation(s) for which the program(s) prepare.

Essentially, the OIS decodes the various systems and places them all on the same level so that the data can be combined and reviewed. This is accomplished by using a master crosswalk file initially developed by NOICC and adapted for Oklahoma by Employment Security Research. These codes include:

Classification of Instructional Program (CIP): This is a six-digit code used by the Department of Education to describe vocational education programs.

Occupational Employment Statistics (OES): This code is an eight-digit code assigned to each occupation in the OES program output and is used by Employment Security and the Department of Labor. It is generally referred to as the OES matrix code.

Dictionary of Occupational Titles (DOT): The DOT is a nine-digit occupational code used by many government agencies and private businesses. This code was developed by the Department of Labor and is a very specific occupational code which indicates such things as skill level and probable training required.

In forming units of analysis, programs which reflect a similar crosswalk pattern (i.e., programs where the various codes seem to cross to a similar group of CIP programs) are put together so that less subjective allocation between programs would have to be performed. These units then provide a user with a group of educational programs **(a cluster)** reflecting the labor market occupational clusters for the group. For example, many different secretarial occupational programs could be combined to form a unit of analysis for **"Secretarial Services."** This would then present an overview or summary level for most of the secretarial occupations relationships. Therefore, the user has a much better picture of the actual condition in the labor market.

As stated earlier, the various occupational codes used by other agencies are all matched to the appropriate CIP by a coding crosswalk. However, in many cases the cross from the given code is not necessarily a one-on-one proposition due to the varying degree of specificity of each coding system. For example, there may be many OES codes which match to a CIP code. Because of this situation, it becomes difficult to establish the correct distribution of the labor resources to demand data relationship. This is a strong reason for employing units of analysis. To effectively distribute the OES demand data to these specific occupational clusters, the analyst uses industrial shares.

For example, the number of "secretaries" in the various industries could be identified. These ratios then could be applied to the specific cluster of CIP programs, if applicable. However, in many instances there is no clear-cut industrial attachment. The analyst then must allocate by using judgment and information obtained by knowledge of the local labor market.

DATA LIMITATIONS

Both occupational projection and program completer data represent the best available numbers upon which to base estimates of future activity in the Oklahoma labor market. Limitations of the data are outlined as follows:

Demand data: (a) data are not intended to predict future economic occurrences but to approximate long-term trends in the labor market; (b) occupational openings for a particular year may differ substantially from those shown in the report if the economy is in a recovery or recessionary period; (c) average annual openings reflect employment demand as a function of growth and replacement, not including turnover or occupational/geographic mobility.

Supply data: Formal training program completer data do not account for the following: (a) persons who are unemployed but not registered with the Oklahoma Job Service; (b) persons currently not actively seeking work or in a training program, but who may seek employment in the future; or (c) persons receiving private vocational program training not certified by the Oklahoma Department of Public Instruction.

There are some occupations in the report for which an estimated demand exists but for which no current program provides completers. Depending upon the occupation, much of the labor required could be provided through on-the-job training programs or in-house promotions.

In addition to knowing which labor supply components are included by the Oklahoma SOICC, all users should become familiar with some additional limitations of available supply data prior to interpreting the data for analysis and planning purposes. These limitations are as follows:

Reporting period differences

The Oklahoma SOICC maintains the most currently available data for each reporting entity. However, because different data sources collect and report this data based on their own reporting cycles, differences in reporting periods exist between entities. That is, the total number of completers for a given program is not based on the exact same period of time for each reporting entity. Due to this limitation, users should exercise caution when interpreting "total" institutional supply.

Coding differences

Coding differences between various agencies may also be a major limitation. In one instance, an agency may use no code at all, and in another an incomplete DOT code may be used. Furthermore, different agencies may use different coding guidelines, thereby choosing a different code for the same occupation or program. An attempt to resolve coding problems was undertaken by the Oklahoma SOICC in order to compile a usable and consistent OIS report.

Another data problem which should be kept in mind concerns educational programs versus courses. The vast majority of the educational data reporters deal in occupational programs. This is a series of courses or programs to prepare a person for a job or occupation. However, some trainers, especially at the secondary education level, tend to deal in courses. Therefore, carefully examine occupational relationships with the secondary education data in mind.

Potential overlaps in reporting

The possibility of potential overlap in reporting of program completers always exists. In some cases, an individual may be reported as participating in more than one training program.

For example, an individual could have completed a training program in vocational education and in a public or private higher education institution as well. At this time, the actual amount of overlap between these reporting entities is not known. Existing data systems provide no means to "factor out" duplicated counts. Therefore, users should be aware that this situation may exist.

Interpretation of substate area data

Labor supply data reported at the substate level for most reporting entities is not based on the residence of program completers but rather on the location--i.e., Service Delivery Area (SDA)--of the education/training institutions. This would pertain to colleges and universities, public secondary and adult vocational-technical institutions, private schools, and the Job Corps training program participants.

If it is assumed that persons usually attend the training institutions within the Service Delivery Area (SDA) in which they will also seek employment, then the data for substate areas may be a reasonable measure of available supply. Substate Supply/Demand information will be published in a separate document at a later date.

Data on leavers of education/training programs

Leavers are students who have left a given school prior to completing the school's requirements for a particular program. However, a wide variation in definitions for leavers exists among Oklahoma institutions. Students defined as leavers **may** or **may not** be qualified (possess marketable skills) for occupations related to their training. It is difficult to assess how many program leavers gain sufficient skill to be classified as part of the available supply for any given occupation.

This varies significantly by occupation and probably more often in occupations requiring less vocational-specific skills. Consequently, the usability of leaver data is questionable. Therefore, leavers are only included in this report when they fall in the category of **"leaver but employed related,"** meaning this person left the program before completion but found employment in that related field. This data is also only available on vocational education program participants through the follow-up data.

Furthermore, many individuals enrolled in vocational education programs are enrolled to enhance personal skills such as Typing I (useful for college preparation) or Auto Mechanics (believed to be useful when working on one's own car). They may also be reported within the realm of program completers.

SUMMARY OF GROWTH TRENDS

Top Forty Occupations By Annual Growth..... 19

Top Forty Occupations By Annual Openings..... 20

Fastest Declining Occupations..... 21

TOP FORTY OCCUPATIONS
BY ANNUAL GROWTH

OCCUPATION TITLE	ANNUAL GROWTH	ANNUAL SEPARATIONS	ANNUAL OPENINGS
Salespersons, Retail	607	2,478	3,085
General Managers and Top Exec.	368	1,295	1,663
General Secretaries	357	746	1,103
General Office Clerks	297	1,194	1,491
All Other Helpers, Laborer, Mover	294	680	974
Registered Nurses	294	483	777
Truck Drivers	291	1,006	1,297
Cashiers	282	764	1,046
All Other Assemblers, Fabricator	217	208	425
Janitors and Cleaners, EXC. Maids	213	1,494	1,707
Nursing Aides and Orderlies	203	869	1,072
Accountants and Auditors	198	426	624
All Other Managers & Administ.	192	1,212	1,404
Maintenance Repairers, Gen. Util.	189	473	662
First Line Supervisors, Sales	155	1,050	1,205
Electricians	142	138	280
Sales Reps. Exc. Scientif & Retail	127	426	553
Teachers, Elementary	120	455	575
Waiters and Waitresses	110	260	370
Stock Clerks, Sales Floor	107	732	839
Computer Systems Analysts, EDP	102	42	144
Farm Managers	101	607	708
First Line Supervisors, Clerical	101	374	475
Receptionists, Information Clerks	100	275	375
Teachers, Secondary School	99	270	369
Typists	97	175	272
Food Preparation Workers	95	825	920
Farmers	94	871	965
Carpenters	93	344	437
Maids and Housekeeping Cleaners	91	459	550
First Line Superv.: Const. Extrac.	90	316	406
All Other Hand Material Movers	89	132	221
Financial Managers	87	247	334
Licensed Practical Nurses	85	352	437
Welders and Cutters	78	112	190
Plumber, Pipefitter, Steamfitter	78	93	171
Electrical & Electronic Engineer	76	64	140
Lawyers	75	364	439
Sheet Metal Workers	74	74	148
Gardeners and Groundskeepers	67	478	545

TOP FORTY OCCUPATIONS BY ANNUAL OPENINGS

OCCUPATION TITLE	ANNUAL GROWTH	ANNUAL SEPARATIONS	ANNUAL OPENINGS
Salespersons, Retail	607	2,478	3,085
Janitors and Cleaners, Exc. Maids	213	1,494	1,707
General Managers & Top Exec.	368	1,295	1,663
General Office Clerks	297	1,194	1,491
All Other Managers & Administ.	192	1,212	1,404
Truck Drivers	291	1,006	1,297
Bookkeeping & Accounting Clerks	30	1,201	1,231
First Line Supervisors, Sales	155	1,050	1,205
General Secretaries	357	746	1,103
Nursing Aides and Orderlies	203	869	1,072
Cashiers	282	764	1,046
All Other Helpers, Laborer, Mover	294	680	974
Farmers	94	871	965
Farm Workers	-130	1,074	944
Food Preparation Workers	95	825	920
Comb. Food Preparation, Service	61	811	872
Stock Clerks, Sales Floor	107	732	839
Registered Nurses	294	483	777
Cleaners & Servants, PVT. House.	23	702	725
Farm Managers	101	607	708
Guards and Watch Guards	60	634	694
Maintenance Repairers, Gen. Util.	189	473	662
Accountants and Auditors	198	426	624
Teachers, Elementary	120	455	575
Sales Reps. Exc. Scientif & Retail	127	426	553
Maids and Housekeeping Cleaners	91	459	550
Gardeners and Groundskeepers	67	478	545
First Line Supervisors, Clerical	101	374	475
Cooks, Institution or Cafeteria	54	420	474
Lawyers	75	364	439
Carpenters	93	344	437
Licensed Practical Nurses	85	352	437
All Other Assemblers, Fabricator	217	208	425
Physicians and Surgeons	62	354	416
First Line Superv.: Const. Extrac.	90	316	406
Bus Drivers, School	33	360	393
Receptionists, Information Clerks	100	275	375
Automotive Mechanics	66	305	371
Waiters & Waitresses	110	260	370
Teachers, Secondary School	99	270	369

FASTEST DECLINING OCCUPATIONS
BY
AVERAGE ANNUAL GROWTH

OCCUPATION TITLE	ANNUAL GROWTH	ANNUAL SEPARATIONS	ANNUAL OPENINGS
Farm Workers	-130	1,074	944
Sewing Mach. Operator, Garment	-94	168	74
Electrical, Electronic Assembler	-66	44	-22
Data Entry Keyers, Ex. Composing	-65	42	-23
Industrial Truck & Tractor Oper.	-64	61	-3
Driver/Sales Workers	-28	66	38
Stock Clerks: Stockroom or Wareh.	-26	239	213
Payroll and Timekeeping Clerks	-23	104	81
Stenographers	-23	40	17
Statistical Clerks	-19	38	19
Telephone & Cable TV Instal/Rpr.	-17	17	0
Insurance Policy Process. Clerks	-11	60	49
Billing, Cost and Rate Clerks	-9	86	77
Roustabouts	-8	86	78
Aircraft Structure Assembly	-7	15	8
File Clerks	-6	63	57
Farm Equipment Mechanics	-6	20	14
Central Office & PBX Instal/Rpr.	-5	18	13
Railroad Brake, Signal, Switch	-4	7	3
Central Office Operators	-4	35	31
Painters, Transportation Equip.	-4	6	2
Teleph. Station Install. & Repair	-3	3	0
Sewing Mach. Oper., Non-Garment	-3	26	23
Precision Compositor, Typesetter	-3	5	2
Meter Readers, Utilities	-3	20	17
Cannery Workers	-3	6	3
Order Clerks: Materials, Service	-3	52	49
Railroad Conductors, Yardmasters	-2	8	6
Machinery Mechanics: Sewing Mach.	-2	3	1
Rail-Track Laying Equip. Oper.	-2	5	3
Credit Authorizers	-2	4	2
Electronic Semiconductor	-2	1	-1
Portable Machine Cutters	-1	3	2
Pressers, Hand	-1	2	1
Locomotive Engineers	-1	3	2
Locomotive Firers	-1	1	0
Mail Clerks, EXC. Mail Machine	-1	33	32
Typesetting Mach. Operator/Tend.	-1	6	5
Motorcycle Repairers	-1	6	5
Frame Wirers, Central Office	-1	4	3

SUPPLY/DEMAND INTERFACE

(Listed by *Cluster Numbers* in multiples of ten; 0010 - 1910)

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0010 FARM AND RANCH MANAGEMENT

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
FARM & HOME MANAGEMENT ADVISORS	31323142	454	471	17	3	25	28
FARM MANAGERS	71005506	4,145	4,750	605	101	607	708
TOTALS		4,599	5,221	622	104	632	736

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
AGRICULTURAL BUSINESS & MGMT.,	01.0101	0	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL BUSINESS.	01.0102	0	0	0	29	0	0	0	0	0	0	29
AGRICULTURAL ECONOMICS.	01.0103	0	0	0	82	16	0	0	0	0	0	98
FARM AND RANCH MANAGEMENT.	01.0104	3	244	0	0	0	0	0	0	0	0	247
TOTALS		3	244	0	111	16	0	0	0	0	0	374

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FARM & HOME MANAGEMENT ADVISORS	31323142	3
TOTAL		3

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0020 AGRICULTURAL PRODUCTION

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL.	24502235	247	258	11	2	5	7
FARMERS	71002505	25,272	25,838	566	94	871	965
FARM WORKERS	74002502	31,880	31,101	-779	-130	1,074	944
FARM EQUIPMENT OPERATORS	79021523	12	13	1	0	1	1
TOTALS		57,411	57,210	-201	-34	1,951	1,917

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
SOIL AND WATER MECHANICAL PRAC	01.0206	5	0	0	0	0	0	0	0	0	0	5
AGRICULTURAL PRODUCTION, GENER	01.0301	509	0	0	0	0	0	0	0	0	0	509
ANIMAL PRODUCTION.	01.0302	113	5	0	0	0	0	0	0	0	0	118
CROP PRODUCTION.	01.0304	10	0	0	0	0	0	0	0	0	0	10
AGRIBUSINESS AND AGRICULTURAL	01.9999	83	0	0	7	0	0	0	0	0	0	90
AGRICULTURAL SCIENCES, GENERAL	02.0101	0	0	52	24	1	0	0	0	0	0	77
ANIMAL SCIENCES, GENERAL.	02.0201	0	0	4	82	9	0	0	0	0	0	95
DAIRY.	02.0206	0	0	0	0	1	0	0	0	0	0	1
AGRONOMY.	02.0402	0	0	5	21	19	0	0	0	0	0	45
SOIL SCIENCE.	02.0501	0	0	0	0	2	0	0	0	0	0	2
TOTALS		720	5	61	134	32	0	0	0	0	0	952

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL. EXC. HLTH	24502235	0
FARM EQUIPMENT OPERATORS	79021523	9
TOTAL		9

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0030 WILDLIFE MANAGEMENT

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
FISH & GAME WARDENS	63041484	140	148	8	1	14	15
TOTALS		140	148	8	1	14	15

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
WILDLIFE MANAGEMENT.	03.0601	0	0	3	0	0	0	0	0	0	0	3
TOTALS		0	0	3	0	0	0	0	0	0	0	3

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FISH & GAME WARDENS	63041484	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0040 AGRICULTURAL POWER AND MACHINERY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
FARM EQUIPMENT MECHANICS	85321634	936	900	-36	-6	20	14
TOTALS		936	900	-36	-6	20	14

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
AGRICULTURAL MECHANICS, GENERA	01.0201	0	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL ELECTRIFICATION,	01.0202	23	0	0	0	0	0	0	0	0	0	23
AGRICULTURAL MECHANICS, CONSTR	01.0203	211	0	0	0	0	0	0	0	0	0	211
AGRICULTURAL POWER MACHINERY,	01.0204	49	1	0	0	0	0	0	0	0	0	50
AGRICULTURAL STRUCTURES, EQUIP	01.0205	11	0	0	0	0	0	0	0	0	0	11
TOTALS		294	1	0	0	0	0	0	0	0	0	295

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FARM EQUIPMENT MECHANICS	85321634	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0050 AGRICULTURAL SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL,	24502235	246	257	11	2	5	7
PEST CONTROLLERS & ASSISTANTS	67008402	774	778	4	1	18	19
ALL OTHER AGRICULTURE, FORESTRY, FISHING	79999527	394	410	16	3	14	17
TOTALS		1,414	1,445	31	6	37	43

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
AGRICULTURAL SERVICES & SUPPLI	01.0501	0	0	0	0	0	0	0	0	0	0	0
AGRICULTURAL SERVICES.	01.0502	18	0	0	0	0	0	0	0	0	0	18
PET GROOMING.	01.0504	7	0	0	0	0	0	0	0	0	0	7
ANIMAL TRAINING.	01.0505	13	0	0	0	0	0	0	0	0	0	13
HORSESHOEING.	01.0506	4	0	0	0	0	0	0	0	424	0	428
TOTALS		42	0	0	0	0	0	0	0	424	0	466

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL, EXC. HLTH	24502235	0
PEST CONTROLLERS & ASSISTANTS	67008402	8
ALL OTHER AGRICULTURE, FORESTRY, FISHING & REL. WK	79999527	65
TOTAL		73

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0060 AGRICULTURAL SUPPLIES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PURCHASING AGENTS & BUYERS, FARM PRODUCT	21305043	471	491	20	3	39	42
* SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	69	72	3	1	2	3
* SALES ENGINEERS	49002288	498	521	23	4	19	23
* SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EX	49005290	2,048	2,180	132	22	75	97
TOTALS		3,086	3,264	178	30	135	165

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Pub. Higher Ed. Sec.	Pub. Higher Ed. Assoc./Bac./Grad.		Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
AGRICULTURAL SUPPLIES MARKETIN	01.0503	9	0	0	0	0	0	0	0	0	9
TOTALS		9	0	0	0	0	0	0	0	0	9

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PURCHASING AGENTS & BUYERS, FARM PRODUCTS	21305043	0
* SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	42
* SALES ENGINEERS	49002288	4
* SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EXC. RETAIL	49005290	39
TOTAL		85

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0070 GENERAL HORTICULTURE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
NURSERY WORKERS	79005503	1,202	1,349	147	25	96	121
GARDENERS & GROUNDSKEEPERS, EXC. FARM	79014496	6,493	6,895	402	67	478	545
TOTALS		7,695	8,244	549	92	574	666

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
HORTICULTURE, GENERAL.	01.0601	0	0	0	0	0	0	0	0	5	5
ARBORICULTURE.	01.0602	8	0	0	0	0	0	0	0	0	8
GREENHOUSE OPERATION AND MANAG	01.0604	3	0	0	0	0	0	0	0	0	3
LANDSCAPING.	01.0605	9	0	0	0	0	0	0	0	0	9
NURSERY OPERATION AND MANAGEME	01.0606	5	0	0	0	0	0	0	0	0	5
TURF MANAGEMENT.	01.0607	2	0	0	0	0	0	0	0	0	2
HORTICULTURE SCIENCE.	02.0403	0	0	0	22	4	0	0	0	0	26
TOTALS		27	0	0	22	4	0	0	0	5	58

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
NURSERY WORKERS	79005503	15
GARDENERS & GROUNDSKEEPERS, EXC. FARM	79014496	75
TOTAL		90

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0080 ORNAMENTAL HORTICULTURE

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	DESIGNERS, EXCEPT INTERIOR DESIGNERS	34038181	722	766	44	7	25	33
	TOTALS		722	766	44	7	25	33

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
ORNAMENTAL HORTICULTURE.	01.0603	46	7	0	0	0	0	0	0	0	0	53
FLORISTRY.	08.0503	6	0	0	0	0	0	0	0	0	0	6
FLORAL DESIGN.	20.0504	0	0	0	0	0	55	0	0	0	0	55
TOTALS		52	7	0	0	0	55	0	0	0	0	114

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	DESIGNERS, EXCEPT INTERIOR DESIGNERS	34038181	21
	TOTAL		21

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0090 CONSERVATION AND ENVIRONMENTAL SCIENCE TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
FORESTERS & CONSERVATION SCIENTISTS	24302077	271	276	5	1	8	9
FOREST & CONSERVATION WORKERS	79002513	55	57	2	0	2	2
TOTALS		326	333	7	1	10	11

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
RESOURCES PROTECTION AND REGUL	03.0203	0	0	0	8	0	0	0	0	0	0	8
FORESTRY AND RELATED SCIENCES,	03.0501	0	0	3	13	3	0	0	0	0	0	19
TOTALS		0	0	3	21	3	0	0	0	0	0	27

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FORESTERS & CONSERVATION SCIENTISTS	24302077	2
FOREST & CONSERVATION WORKERS	79002513	1
TOTAL		3

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0100 FORESTRY PRODUCTION AND PROCESSING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
1ST LINE SUPERVISORS, FORESTRY & LOGGING	72000497	1,325	1,409	84	14	47	61
FALLERS & BUCKERS	73002515	18	17	-1	0	0	0
LOG HANDLING EQUIPMENT OPERATORS	73008517	19	18	-1	0	0	0
LOGGING TRACTOR OPERATORS	73011516	188	191	3	1	3	4
ALL OTHER TIMBER CUTTING & RELATED LOGGI	73099521	380	388	8	1	7	8
LOG GRADERS & SCALERS	79008520	7	7	0	0	0	0
TOTALS		1,937	2,030	93	16	57	73

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
FORESTRY PRODUCTION & PROCESSI	03.0401	0	0	0	0	0	0	0	0	0	0	0
FOREST PRODUCTION.	03.0402	0	0	0	0	0	0	0	0	0	0	0
FOREST PRODUCTS UTILIZATION.	03.0403	0	0	0	0	0	0	0	0	0	0	0
FOREST PRODUCTS PROCESSING TEC	03.0404	0	0	0	0	0	0	0	0	0	0	0
LOGGING.	03.0405	1	0	0	0	0	0	0	0	0	0	1
TOTALS		1	0	0	0	0	0	0	0	0	0	1

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FALLERS & BUCKERS	73002515	4
LOGGING TRACTOR OPERATORS	73011516	0
ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	73099521	32
LOG GRADERS & SCALERS	79008520	0
TOTAL		36

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0110 VETERINARY MEDICINE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
VETERINARIANS, VETERINARY INSPECTORS	32114176	392	402	10	2	7	9
TOTALS		392	402	10	2	7	9

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
VETERINARY MEDICINE.	18.2401	0	0	0	0	64	0	0	0	0	0	64
TOTALS		0	0	0	0	64	0	0	0	0	0	64

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
VETERINARIANS, VETERINARY INSPECTORS	32114176	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0120 ANIMAL CARETAKING AND VETERINARY ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* MEDICAL & CLINICAL LABORATORY TECHNICIAN	32905207	40	44	4	1	1	1
ANIMAL CARETAKERS, EXC. FARM	79017495	669	699	30	5	14	19
TOTALS		709	743	34	6	15	20

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
HORSE HANDLING AND CARE.	01.0507	0	0	65	0	0	0	0	0	0	0	65
CLINICAL ANIMAL TECHNOLOGY.	17.0303	0	0	11	0	0	0	0	0	0	0	11
VETERINARIAN ASSISTING.	17.0512	2	0	0	0	0	0	0	0	0	0	2
TOTALS		2	0	76	0	0	0	0	0	0	0	78

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* MEDICAL & CLINICAL LABORATORY TECHNICIANS	32905207	8
ANIMAL CARETAKERS, EXC. FARM	79017495	8
TOTAL		16

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0130 ADMINISTRATION AND MANAGEMENT

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PERSONNEL, TRAINING, LABOR REL. MGR.	13005008	1,715	1,827	112	19	68	87
ENGINEER, MATH, NATURAL SCIENCE MGR.	13017017	1,247	1,338	91	15	55	70
PUBLIC ADMIN., LEGAL, GEN. ADMIN.	19002011	708	750	42	7	47	54
GENERAL MANAGER & TOP EXECUTIVE	19005006	29,374	31,581	2,207	368	1,295	1,663
MANAGEMENT ANALYSTS	21905031	702	728	26	4	33	37
TOTALS		33,746	36,224	2,478	413	1,498	1,911

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
BUSINESS AND MANAGEMENT, GENER	06.0101	0	0	402	106	5	159	21	78	0	0	771
BUSINESS ADMINISTRATION AND MA	06.0401	0	0	0	1,086	300	55	191	27	0	0	1,659
BUSINESS ECONOMICS	06.0501	0	0	0	35	11	0	6	0	0	0	52
OPERATIONS RESEARCH (QUANTITAT	06.1302	0	0	0	0	0	0	7	0	0	0	7
MANAGEMENT SCIENCE, GENERAL.	06.1303	0	0	0	1	0	0	0	0	0	0	1
PUBLIC ADMINISTRATION.	44.0401	0	0	0	0	70	0	0	0	0	0	70
TOTALS		0	0	402	1,228	386	214	225	105	0	0	2,560

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PERSONNEL, TRAINING, LABOR REL. MGR.	130.5008	25
ENGINEER, MATH, NATURAL SCIENCE MGR.	13017017	16
PUBLIC ADMIN., LEGAL, GEN. ADMIN.	19002011	2
GENERAL MANAGER & TOP EXECUTIVE	19005006	53
MANAGEMENT ANALYSTS	21905031	1
TOTAL		97

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0140 SYSTEMS ANALYSIS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
COMPUTER SYSTEMS ANALYSTS,EDP	25102073	3,506	4,120	614	102	42	144
OPERATIONS AND SYSTEMS ANAYLYSTS	25302088	654	725	71	12	13	25
TOTALS		4,160	4,845	685	114	55	169

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
BUSINESS SYSTEMS ANALYSIS.	07.0306	0	0	0	0	0	0	0	0	0	0	0
SYSTEMS ANALYSIS.	11.0501	0	0	0	84	0	0	0	0	0	0	84
TOTALS		0	0	0	84	0	0	0	0	0	0	84

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
COMPUTER SYSTEMS ANALYSTS,EDP	25102073	28
OPERATIONS AND SYSTEMS ANAYLYSTS	25302088	0
TOTAL		28

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0150 COMPUTER PROGRAMMING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
COMPUTER PROGRAMMERS	25105245	3,038	3,224	186	31	21	52
COMPUTER PROGRAMMER AIDES	25108244	868	910	42	7	6	13
TOTALS		3,906	4,134	228	38	27	65

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
BUSINESS DATA PROGRAMMING AND	07.0301	99	278	147	0	0	0	0	0	86	0	610
BUSINESS DATA PROGRAMMING.	07.0305	0	0	139	0	0	102	0	0	0	0	241
COMPUTER AND INFORMATION SCIEN	11.0101	0	0	0	427	29	7	63	5	0	0	531
TOTALS		99	278	286	427	29	109	63	5	86	0	1,382

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
COMPUTER PROGRAMMERS	25105245	11
COMPUTER PROGRAMMER AIDES	25108244	0
TOTAL		11

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0160 COMPUTER OPERATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
COMPUTER OPERATORS, EXC. PERIPHERAL EQUI	56011316	3,274	3,649	375	63	37	100
PERIPHERAL EDP EQPT OPERAT	56014317	639	704	65	11	15	26
TOTALS		3,913	4,353	440	74	52	126

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
BUSINESS COMPUTER AND CONSOLE	07.0302	0	0	17	0	0	0	0	0	0	0	17
BUSINESS DATA PERIPHERAL EQUIP	07.0304	0	0	6	0	0	0	0	0	0	0	6
INFORMATION SCIENCES AND SYSTE	11.0401	0	0	0	4	0	0	9	0	0	0	13
TOTALS		0	0	23	4	0	0	9	0	0	0	36

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
COMPUTER OPERATORS, EXC. PERIPHERAL EQUIP.	56011316	89
PERIPHERAL EDP EQPT OPERAT	56014317	1
TOTAL		90

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0170 DATA ENTRY EQUIPMENT OPERATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DATA ENTRY KEYERS, EXC. COMPOSING	56017381	4,037	3,649	-388	-65	42	-23
TOTALS		4,037	3,649	-388	-65	42	-23

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
BUSINESS DATA ENTRY EQUIPMENT	07.0303	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DATA ENTRY KEYERS, EXC. COMPOSING	56017381	85
TOTAL		85

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0180 ACCOUNTING AND BOOKKEEPING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
FINANCIAL MANAGERS	13002004	8,695	9,218	523	87	247	334
TAX PREPARERS	21111045	2,394	2,513	119	20	103	123
ACCOUNTANTS & AUDITORS	21114024	11,894	13,081	1,187	198	426	624
BUDGET ANALYSTS	21117039	515	534	19	3	22	25
TAX EXAMINERS, COLLECTORS & REVENUE AGEN	21914034	686	738	52	9	25	34
ASSESSORS	21917038	211	218	7	1	7	8
STATEMENT CLERKS	53126364	841	933	92	15	32	47
STATISTICAL CLERKS	55328387	1,213	1,098	-115	-19	38	19
BOOKKEEPING & ACCOUNTING CLERKS	55338326	28,292	28,474	182	30	1,201	1,231
PAYROLL & TIMEKEEPING CLERKS	55341327	2,925	2,787	-138	-23	104	81
BILLING, POSTING & CALCULATING MACHINE O	56002325	1,385	1,379	-6	-1	24	23
TOTALS		59,051	60,973	1,922	320	2,229	2,549

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ACCOUNTING.	06.0201	0	0	0	834	34	71	179	4	0	0	1,122
ACCOUNTING, BOOKKEEPING & REL.	07.0101	28	20	92	0	0	36	0	0	0	0	176
ACCOUNTING AND COMPUTING.	07.0102	2	0	46	0	0	0	0	0	0	0	48
BOOKKEEPING.	07.0103	3	0	0	0	0	0	0	0	0	0	3
MACHINE BILLING, BOOKKEEPING,	07.0104	1	2	0	0	0	0	0	0	0	0	3
TOTALS		34	22	138	834	34	107	179	4	0	0	1,352

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FINANCIAL MANAGERS	13002004	36
TAX PREPARERS	21111045	0
ACCOUNTANTS & AUDITORS	21114024	105
BUDGET ANALYSTS	21117039	0
TAX EXAMINERS, COLLECTORS & REVENUE AGENTS	21914034	1
ASSESSORS	21917038	2
STATEMENT CLERKS	53126364	0
STATISTICAL CLERKS	55328387	5
BOOKKEEPING & ACCOUNTING CLERKS	55338326	385
PAYROLL & TIMEKEEPING CLERKS	55341327	11
BILLING, POSTING & CALCULATING MACHINE OPERATORS	56002325	10
TOTAL		555

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0190 BANKING AND FINANCE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
TELLERS	53102376	5,541	5,689	148	25	85	110
NEW ACCOUNTS CLERKS	53105332	1,091	1,158	67	11	42	53
TRANSIT CLERKS	53108321	368	393	25	4	14	18
LOAN INTERVIEWERS	53111306	362	392	30	5	11	16
CREDIT AUTHORIZERS	53114378	117	106	-11	-2	4	2
CREDIT CHECKERS	53117379	383	394	11	2	17	19
LOAN & CREDIT CLERKS	53121384	2,309	2,460	151	25	77	102
BILL & ACCOUNT COLLECTORS	53508296	1,997	2,191	194	32	75	107
TOTALS		12,368	12,983	615	102	325	427

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
BANKING AND FINANCE.	06.0301	0	0	0	421	0	0	65	5	0	0	491
TELLER.	07.0205	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	421	0	0	65	5	0	0	491

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
TELLERS	53102376	41
NEW ACCOUNTS CLERKS	53105332	0
TRANSIT CLERKS	53108321	0
LOAN INTERVIEWERS	53111306	5
CREDIT AUTHORIZERS	53114378	0
CREDIT CHECKERS	53117379	2
LOAN & CREDIT CLERKS	53121384	25
BILL & ACCOUNT COLLECTORS	53508296	30
TOTAL		103

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0200 PERSONNEL AND LABOR RELATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	21502040	129	137	8	1	3	4
EMPLOYMENT INTERVIEWERS, PRVT. OR PUB. E	21508029	762	826	64	11	20	31
PERSONNEL TRAIN., LABOR REL. SPEC.	21511032	1,787	1,907	120	20	47	67
PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEE	55314363	1,445	1,465	20	3	34	37
PRODUCTION, PLANNING & EXPEDITING CLERKS	58008349	2,299	2,448	149	25	69	94
TOTALS		6,422	6,783	361	60	173	233

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PERSONNEL & TRAINING PROGRAMS,	07.0501	0	0	0	0	0	0	0	0	0	0	0
PERSONNEL ASSISTING.	07.0503	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	21502040	0
EMPLOYMENT INTERVIEWERS, PRVT. OR PUB. EMP. SVC.	21508029	5
PERSONNEL TRAIN., LABOR REL. SPEC.	21511032	4
PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	55314363	14
PRODUCTION, PLANNING & EXPEDITING CLERKS	58008349	11
TOTAL		34

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0210 POSTAL SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
POSTMASTERS, MAIL SUPERINTENDENTS	15002009	776	798	22	4	67	71
POSTAL MAIL CARRIERS	57305340	3,491	3,591	100	17	132	149
POSTAL SERVICE CLERKS	57308341	1,247	1,282	35	6	47	53
TOTALS		5,514	5,671	157	27	246	273

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
POSTAL SERVICES.	44.0605	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
POSTMASTERS, MAIL SUPERINTENDENTS	15002009	0
POSTAL MAIL CARRIERS	57305340	3
POSTAL SERVICE CLERKS	57308341	8
TOTAL		11

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0220 LAW

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
JUDGES AND MAGISTRATES	28102155	682	716	34	6	104	110
ADJUDICATORS AND HEARING OFFICERS	28105114	49	52	3	1	7	8
LAWYERS	28108116	6,635	7,083	448	75	364	439
TOTALS		7,366	7,851	485	82	475	557

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
LAW.	22.0101	0	0	0	0	218	0	0	172	0	0	390
TOTALS		0	0	0	0	218	0	0	172	0	0	390

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ADJUDICATORS AND HEARING OFFICERS	28105114	0
LAWYERS	28108116	8
TOTAL		8

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0230 LEGAL ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
LAW CLERKS	28302252	655	701	46	8	45	53
PARALEGAL PERSONNEL	28305247	730	857	127	21	53	74
TITLE SEARCHERS	28308250	241	262	21	4	17	21
TITLE EXAMINERS & ABSTRACTORS	28311249	402	439	37	6	28	34
ALL OTHER LEGAL ASSISTANTS & TECHNICIANS	28399254	586	607	21	4	39	43
TOTALS		2,614	2,866	252	43	182	225

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
LEGAL ASSISTING.	22.0103	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
LAW CLERKS	28302252	6
PARALEGAL PERSONNEL	28305247	6
TITLE SEARCHERS	28308250	2
TITLE EXAMINERS & ABSTRACTORS	28311249	2
ALL OTHER LEGAL ASSISTANTS & TECHNICIANS	28399254	5
TOTAL		21

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0240 COURT REPORTING AND STENOGRAPHY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
COURT CLERKS	53702377	354	383	29	5	12	17
STENOGRAPHERS	55302371	1,445	1,309	-136	-23	40	17
TOTALS		1,799	1,692	-107	-18	52	34

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
COURT REPORTING.	07.0602	0	0	0	0	0	8	0	0	244	0	252
STENOGRAPHIC.	07.0607	0	2	0	0	0	0	0	0	0	0	2
TOTALS		0	2	0	0	0	8	0	0	244	0	254

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
COURT CLERKS	53702377	4
STENOGRAPHERS	55302371	7
TOTAL		11

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0250 OFFICE SUPERVISION AND MANAGEMENT

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	ADMINISTRATIVE SERVICES MANAGERS	13014014	1,263	1,333	70	12	57	68
	1ST LINE SUPERVISORS & MGR/SUPS, CLERICA	51002383	11,292	11,895	603	101	374	475
	TOTALS		12,555	13,228	673	113	431	543

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
OFFICE SUPERVISION AND MANAGEM	07.0401	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	ADMINISTRATIVE SERVICES MANAGERS	13014014	226
	1ST LINE SUPERVISORS & MGR/SUPS, CLERICAL	51002383	38
	TOTAL		264

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0260 SECRETARIAL SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MUNICIPAL CLERKS	53705385	283	293	10	2	9	11
LEGAL SECRETARIES	55102367	2,532	2,732	200	33	58	91
MEDICAL SECRETARIES	55105368	1,255	1,387	132	22	29	51
GENERAL SECRETARIES	55199370	32,984	35,127	2,143	357	746	1,103
TOTALS		37,054	39,539	2,485	414	842	1,256

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
SECRETARIAL & RELATED PROGRAMS	07.0601	12	44	5	44	0	3	11	0	0	0	119
EXECUTIVE SECRETARIAL.	07.0603	0	0	0	0	0	22	0	0	0	0	22
LEGAL SECRETARIAL.	07.0604	0	1	0	0	0	9	0	0	0	0	10
MEDICAL SECRETARIAL.	07.0605	5	0	0	0	0	9	0	0	0	0	14
SECRETARIAL.	07.0606	31	74	0	0	0	45	0	0	0	0	150
TOTALS		48	119	5	44	0	88	11	0	0	0	315

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MUNICIPAL CLERKS	53705385	0
LEGAL SECRETARIES	55102367	36
MEDICAL SECRETARIES	55105368	9
GENERAL SECRETARIES	55199370	330
TOTAL		375

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0270 TYPING AND WORD PROCESSING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
TYPISTS	55308373	9,514	10,098	584	97	175	272
TYPISTS, WORD PROCESSING EQUIPMENT	55311374	3,041	3,245	204	34	56	90
TOTALS		12,555	13,343	788	131	231	362

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
CLERK-TYPIST.	07.0702	74	71	0	0	0	0	0	0	0	0	145
WORD PROCESSING.	07.0801	6	30	0	0	0	105	0	0	3	0	144
TOTALS		80	101	0	0	0	105	0	0	3	0	289

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
TYPISTS	55308373	71
TYPISTS, WORD PROCESSING EQUIPMENT	55311374	14
TOTAL		85

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0280 GENERAL OFFICE WORKERS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ADJUSTMENT CLERKS	53123295	2,416	2,534	118	20	72	92
INVESTIGATORS, CLERICAL	53505394	64	69	5	1	2	3
LICENSE CLERKS	53708305	208	217	9	2	7	9
REAL ESTATE CLERKS	53914386	305	330	25	4	12	16
CORRESPONDENCE CLERKS	55317393	291	305	14	2	4	6
FILE CLERKS	55321360	3,158	3,123	-35	-6	63	57
ORDER CLERKS, MATERIALS, MERCHANDISE & S	55323362	2,425	2,407	-18	-3	52	49
* INTERVIEWING CLERKS, EXC. PERSONNEL/SOCI	55332331	339	366	27	4	14	18
BILLING, COST & RATE CLERKS	55344324	3,213	3,156	-57	-9	86	77
GENERAL OFFICE CLERKS	55347328	29,813	31,592	1,779	297	1,194	1,491
DUPLICATING MACHINE OPERATORS	56005319	277	291	14	2	1	3
MAIL MACHINE OPERATORS, PREPARATION & HA	56008320	463	497	34	6	10	16
ALL OTHER OFFICE MACHINE OPERATORS	56099322	976	1,040	64	11	37	48
MAIL CLERKS, EXC. MAIL MACHINE OPS & POS	57302338	1,371	1,365	-6	-1	33	32
TRANSPORTATION AGENTS	58011355	87	92	5	1	2	3
METER READERS, UTILITIES	58014346	1,033	1,017	-16	-3	20	17
ALL OTHER CLERICAL & ADMINI. SUPPORT WOR	59999395	5,279	5,535	256	43	174	217
TOTALS		51,718	53,936	2,218	371	1,783	2,154

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
TYPING, GENERAL OFFICE & REL.	07.0701	333	111	0	0	0	0	0	0	0	19	463
CORRESPONDENCE CLERK.	07.0703	0	0	0	0	0	0	0	0	0	0	0
DUPLICATING MACHINE OPERATION.	07.0704	0	0	0	0	0	0	0	0	0	0	0
GENERAL OFFICE CLERK.	07.0705	103	34	1	0	0	0	0	0	0	109	247
TRAFFIC, RATE, AND TRANSPORTAT	07.0709	0	0	2	0	0	22	0	0	0	0	24
BUSINESS (ADMINISTRATIVE SUPPO	07.9999	136	134	82	0	0	6	0	0	0	0	358
TOTALS		572	279	85	0	0	28	0	0	0	128	1,092

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0280 GENERAL OFFICE WORKERS --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ADJUSTMENT CLERKS	53123295	1
INVESTIGATORS, CLERICAL	53305394	10
LICENSE CLERKS	53708305	0
REAL ESTATE CLERKS	53914386	1
CORRESPONDENCE CLERKS	55317393	0
FILE CLERKS	55321360	9
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE	55323362	21
* INTERVIEWING CLERKS, EXC. PERSONNEL/SOCIAL WELFARE	55332331	11
BILLING, COST & RATE CLERKS	55344324	8
GENERAL OFFICE CLERKS	55347328	396
DUPLICATING MACHINE OPERATORS	56005319	2
MAIL MACHINE OPERATORS, PREPARATION & HANDLING	56008320	1
ALL OTHER OFFICE MACHINE OPERATORS	56099322	1
MAIL CLERKS, EXC. MAIL MACHINE OPS & POSTAL SVC	57302338	13
TRANSPORTATION AGENTS	58011355	4
METER READERS, UTILITIES	58014346	5
ALL OTHER CLERICAL & ADMINI. SUPPORT WORKERS	59999395	25
TOTAL		508

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0290 RECEPTIONISTS/COMMUNICATIONS SYSTEMS OPERATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
RECEPTIONISTS & INFORMATION CLERKS	55305333	7,785	8,382	597	100	275	375
SWITCHBOARD OPERATORS	57102311	2,394	2,448	54	9	71	80
DIRECTORY ASSISTANCE OPERATORS	57105310	14	14	0	0	0	0
CENTRAL OFFICE OPERATORS	57108309	1,198	1,176	-22	-4	35	31
TELEGRAPH AND TELETYPE OPERATORS	57111313	50	50	0	0	0	0
ALL OTHER COMMUNICATION OPERATORS	57199314	198	197	-1	0	5	5
MESSENGERS	57311339	656	669	13	2	47	49
DISPATCHERS: EXC. POLICE, FIRE, AMBULANC	58005344	1,268	1,315	47	8	36	44
TOTALS		13,563	14,251	688	115	469	584

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
RECEPTIONIST AND COMMUNICATION	07.0707	24	1	0	0	0	0	0	0	0	0	25
TOTALS		24	1	0	0	0	0	0	0	0	0	25

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
RECEPTIONISTS & INFORMATION CLERKS	55305333	117
SWITCHBOARD OPERATORS	57102311	14
DIRECTORY ASSISTANCE OPERATORS	57105310	1
CENTRAL OFFICE OPERATORS	57108309	0
TELEGRAPH AND TELETYPE OPERATORS	57111313	1
ALL OTHER COMMUNICATION OPERATORS	57199314	1
MESSENGERS	57311339	20
DISPATCHERS: EXC. POLICE, FIRE, AMBULANCE	58005344	19
TOTAL		173

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0300 FREIGHT AND MATERIALS ORDERING AND HANDLING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PROCUREMENT CLERKS	55326348	615	610	-5	-1	17	16
WEIGHERS, MEASURERS, CHECKERS & SAMPLERS	58017352	219	239	20	3	11	14
STOCK CLERKS, STOCKROOM, WAREHOUSE OR YA	58023350	8,536	8,381	-155	-26	239	213
ORDER FILLERS, WHOLESALE & RETAIL SALES	58026347	1,818	1,823	5	1	51	52
TRAFFIC, SHIPPING & RECEIVING CLERKS	58028351	6,095	6,253	158	26	154	180
ALL OTHER MATERIAL WORKERS	58099356	1,786	1,896	110	18	122	140
TOTALS		19,069	19,202	133	21	594	615

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
SHIPPING, RECEIVING, AND STOCK	07.0708	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PROCUREMENT CLERKS	55326348	5
WEIGHERS, MEASURERS, CHECKERS & SAMPLERS, RCDXPG	58017352	9
STOCK CLERKS, STOCKROOM, WAREHOUSE OR YARD	58023350	108
ORDER FILLERS, WHOLESALE & RETAIL SALES	58026347	2
TRAFFIC, SHIPPING & RECEIVING CLERKS	58028351	98
ALL OTHER MATERIAL WORKERS	58099356	1
TOTAL		223

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0310 INSURANCE CLERKS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
INSURANCE EXAMINING CLERKS	53308304	164	175	11	2	3	5
INSURANCE CLAIMS CLERKS	53311299	1,048	1,051	3	1	17	18
INSURANCE POLICY PROCESSING CLERKS	53314300	1,910	1,844	-66	-11	60	49
TOTALS		3,122	3,070	-52	-8	80	72

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INSURANCE CLERK.	07.0203	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
INSURANCE EXAMINING CLERKS	53308304	2
INSURANCE CLAIMS CLERKS	53311299	2
INSURANCE POLICY PROCESSING CLERKS	53314300	1
TOTAL		5

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0320 INSURANCE ADMINISTRATION AND MARKETING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
UNDERWRITERS	21102035	1,193	1,327	134	22	36	58
SPECIAL AGENTS,INSURANCE	21505044	243	260	17	3	6	9
CLAIMS EXAMINERS, INSURANCE	21921025	334	373	39	7	12	19
INSURANCE SALES WORKERS	43002272	4,742	5,067	325	54	234	288
INSURANCE ADJUSTERS, EXAMINERS & INVESTI	53302298	1,289	1,426	137	23	22	45
INSURANCE APPRAISERS, AUTO DAMAGE	53305303	126	133	7	1	2	3
TOTALS		7,927	8,586	659	110	312	422

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INSURANCE AND RISK MANAGEMENT	06.0801	0	0	0	0	0	0	0	287	0	287
INSURANCE MARKETING.	08.1001	4	0	0	0	0	0	0	0	0	4
TOTALS		4	0	0	0	0	0	0	287	0	291

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
UNDERWRITERS	21102035	10
SPECIAL AGENTS,INSURANCE	21505044	1
CLAIMS EXAMINERS, INSURANCE	21921025	0
INSURANCE SALES WORKERS	43002272	17
INSURANCE ADJUSTERS, EXAMINERS & INVESTIGATORS	53302298	15
INSURANCE APPRAISERS, AUTO DAMAGE	53305303	0
TOTAL		43

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0330 REAL ESTATE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PROPERTY & REAL ESTATE MANAGERS & ADMINI	15011010	1,300	1,386	86	14	88	102
BROKERS, REAL ESTATE	43005274	290	317	27	5	19	24
SALES AGENTS, REAL ESTATE	43008275	2,831	2,916	85	14	182	196
REAL ESTATE APPRAISERS	43011276	255	278	23	4	17	21
TOTALS		4,676	4,897	221	37	306	343

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
REAL ESTATE.	06.1701	10	0	2	9	0	0	0	0	0	0	21
TOTALS		10	0	2	9	0	0	0	0	0	0	21

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PROPERTY & REAL ESTATE MANAGERS & ADMINISTRATORS	15011010	61
BROKERS, REAL ESTATE	43005274	2
SALES AGENTS, REAL ESTATE	43008275	12
REAL ESTATE APPRAISERS	43011276	1
TOTAL		76

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0340 ADVERTISING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* MARKETING, ADVERTISING & PUBLIC RELATION	13011007	127	136	9	2	4	5
PUBLIC RELATIONS SPECIALISTS & PUBLICITY	34008190	1,530	1,701	171	29	86	115
MERCHANDISE DISPLAYERS & WINDOW TRIMMERS	34044267	175	182	7	1	6	7
SALES AGENTS, ADVERTISING	43023286	1,106	1,165	59	10	36	46
ADVERTISING CLERKS	53908358	191	210	19	3	17	20
TOTALS		3,129	3,394	265	45	149	193

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ADVERTISING.	09.0201	15	0	0	60	0	0	2	0	0	0	77
PUBLIC RELATIONS	09.0501	0	0	0	0	0	0	5	0	0	0	5
TOTALS		15	0	0	60	0	0	7	0	0	0	82

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	13011007	57
PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	34008190	14
MERCHANDISE DISPLAYERS & WINDOW TRIMMERS	34044267	2
SALES AGENTS, ADVERTISING	43023286	16
ADVERTISING CLERKS	53908358	1
TOTAL		90

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0350 PURCHASING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PURCHASING MANAGERS	13008012	3,015	3,134	119	20	90	110
PURCHASING AGENTS, EXC. WHOLESALE, RETAI	21308033	2,537	2,631	94	16	87	103
TOTALS		5,552	5,765	213	36	177	213

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.		Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PURCHASING.	08.0704	1	0	0	0	0	0	0	0	0	1
TOTALS		1	0	0	0	0	0	0	0	0	1

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PURCHASING MANAGERS	13008012	6
PURCHASING AGENTS, EXC. WHOLESALE, RETAIL & FARM	21308033	38
TOTAL		44

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0360 FINANCIAL SERVICES MARKETING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CREDIT ANALYSTS	21105041	870	932	62	10	31	41
LOAN OFFICERS & COUNSELORS	21108030	1,439	1,583	144	24	63	87
ALL OTHER FINANCIAL SPECIALISTS	21199046	2,013	2,114	101	17	86	103
SECURITIES & FINANCIAL SERVICES SALES WO	43014278	1,593	1,796	203	34	122	156
BROKERAGE CLERKS	53128359	194	216	22	4	7	11
TOTALS		6,109	6,641	532	89	309	398

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
FINANCIAL SERVICES MARKETING.	08.0401	25	0	0	0	0	0	0	0	0	0	25
TOTALS		25	0	0	0	0	0	0	0	0	0	25

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CREDIT ANALYSTS	21105041	2
LOAN OFFICERS & COUNSELORS	21108030	16
ALL OTHER FINANCIAL SPECIALISTS	21199046	7
SECURITIES & FINANCIAL SERVICES SALES WORKERS	43014278	4
BROKERAGE CLERKS	53128359	3
TOTAL		32

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0370 BUSINESS AND PERSONAL SERVICES MARKETING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* MARKETING, ADVERTISING & PUBLIC RELATION	13011007	173	185	12	2	5	7
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	13,339	13,887	548	91	589	680
* SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	1,600	1,673	73	12	53	65
* ALL OTHER SERVICE SALES OCCUPATIONS	43099282	284	306	22	4	16	20
CUSTOMER SERVICE REPRESENTATIVES, UTILIT	55335380	1,585	1,618	33	6	34	40
TOTALS		16,981	17,669	688	115	697	812

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.		Priv. Higher Ed. Assoc./Bac./Grad.		Private Post	Job Corp	Total Comp
BUSINESS & PERSONAL SERVICES M	08.0201	0 0	0 0 0		0 0 0		0	0	0
MARKETING OF BUSINESS OR PERSO	08.0203	44 0	0 0 0		0 0 0		0	0	44
TOTALS		44 0	0 0 0		0 0 0		0	0	44

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	13011007	57
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	71
* SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	42
* ALL OTHER SERVICE SALES OCCUPATIONS	43099282	7
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	55335380	7
TOTAL		184

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0380 MARKETING AND DISTRIBUTION

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* MARKETING, ADVERTISING & PUBLIC RELATION	13011007	3,051	3,270	219	37	94	131
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	13,339	13,887	548	91	589	680
* WHOLESALE & RETAIL BUYERS, EXC. FARM PRO	21302036	1,297	1,314	17	3	62	64
* 1ST LINE SUPERVISORS & MGR/SUPS, SALES	41002284	21,719	22,638	919	153	1,064	1,217
* SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	10,526	11,198	672	112	386	498
* SALESPERSONS, RETAIL	49011277	30,093	32,702	2,609	435	1,851	2,286
SALESPERSONS, PARTS	49014289	4,649	4,813	164	27	178	205
COUNTER & RENTAL CLERKS	49017271	3,071	3,375	304	51	159	210
STOCK CLERKS, SALES FLOOR	49021279	13,442	14,084	642	107	732	839
CASHIERS	49023270	26,167	27,858	1,691	282	764	1,046
VENDORS, SOLICITORS & RELATED WORKERS	49026291	1,515	1,570	55	9	90	99
DEMONSTRATORS, PROMOTERS & MODELS	49032283	321	348	27	5	23	28
ALL OTHER SALES & RELATED WORKERS	49999292	5,962	6,338	376	63	66	129
MARKING CLERKS	58021354	372	386	14	2	25	27
DRIVER/SALES WORKERS	97117917	4,248	4,079	-169	-28	66	38
TOTALS		139,772	147,860	8,088	1,349	6,149	7,497

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
MARKETING MANAGEMENT.	06.1401	0	0	0	417	0	0	94	0	0	0	511
ENTREPRENEURSHIP	08.0301	28	111	0	0	0	0	0	0	0	0	139
FARM AND GARDEN SUPPLIES MARKE	08.0502	5	0	0	0	0	0	0	0	0	0	5
FOOD MARKETING, GENERAL.	08.0601	103	0	0	0	0	0	0	0	0	0	103
WHOLESALE FOOD MARKETING.	08.0605	3	0	0	0	0	0	0	0	0	0	3
AUCTIONEERING	08.0701	0	0	0	0	0	0	0	0	0	0	0
INTERNATIONAL MARKETING.	08.0703	2	0	0	0	0	0	0	0	0	0	2
RETAILING.	08.0705	157	0	0	0	0	0	0	0	0	0	157
SALES.	08.0706	0	0	0	0	0	0	0	0	0	0	0
WHOLESALING.	08.0707	6	0	0	0	0	0	0	0	0	0	6
MARKETING, GENERAL.	08.0708	0	0	0	0	0	0	0	0	0	0	0
HOME & OFFICE PRODUCTS MKTG, G	08.0801	8	0	0	0	0	0	0	0	0	0	8
APPLIANCE MARKETING.	08.0802	0	0	0	0	0	0	0	0	0	0	0
BUILDING MATERIALS MARKETING.	08.0803	6	1	0	0	0	0	0	0	0	0	7
FURNITURE MARKETING.	08.0805	0	0	0	0	0	0	0	0	0	0	0
HARDWARE MARKETING.	08.0806	7	0	0	0	0	0	0	0	0	0	7
SPECIALTY HOME FURNISHINGS MAR	08.0808	0	0	0	0	0	0	0	0	0	0	0
RECREATIONAL PRODUCTS MARKETIN	08.0904	0	0	0	0	0	0	0	0	0	0	0
CASHIER CHECKER	08.1301	21	150	0	0	0	0	0	0	0	0	171
MARKETING AND DISTRIBUTION, OT	08.9999	86	61	0	0	0	0	0	0	0	0	147
TOTALS		432	323	0	417	0	0	94	0	0	0	1,266

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0380 MARKETING AND DISTRIBUTION --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	13011007	57
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	71
* WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	21302036	11
* 1ST LINE SUPERVISORS & MGR/SUPS, SALES	41002284	276
* SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	140
* SALESPERSONS, RETAIL	49011277	259
SALESPERSONS, PARTS	49014289	21
COUNTER & RENTAL CLERKS	49017271	6
STOCK CLERKS, SALES FLOOR	49021279	35
CASHIERS	49023270	344
VENDORS, SOLICITORS & RELATED WORKERS	49026291	15
DEMONSTRATORS, PROMOTERS & MODELS	49032283	6
ALL OTHER SALES & RELATED WORKERS	49999292	40
MARKING CLERKS	58021354	1
DRIVER/SALES WORKERS	97117917	62
TOTAL		1,344

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0390 AUTOMOTIVE VEHICLE AND ACCESSORIES MARKETING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* 1ST LINE SUPERVISORS & MGR/SUPS, SALES	41002284	160	167	7	1	8	9
SERVICE STATION ATTENDANTS	97805942	3,515	3,784	269	45	172	217
TOTALS		3,675	3,951	276	46	180	226

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.		Priv. Higher Ed. Assoc./Bac./Grad.		Private Post	Job Corp	Total Comp
AUTOMOTIVE VEHICLES AND ACCESS	08.1203	14	0	0	0	0	0	0	14
PETROLEUM WHOLESALING.	08.1204	3	0	0	0	0	0	0	3
RECREATIONAL VEHICLES AND ACCE	08.1205	0	0	0	0	0	0	0	0
SERVICE STATION RETAILING.	08.1206	5	0	0	0	0	0	0	5
VEHICLE RENTAL AND LEASING.	08.1207	0	0	0	0	0	0	0	0
TOTALS		22	0	0	0	0	0	0	22

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* 1ST LINE SUPERVISORS & MGR/SUPS, SALES	41002284	276
SERVICE STATION ATTENDANTS	97805942	28
TOTAL		304

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0400 APPAREL AND ACCESSORIES MARKETING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* WHOLESALE & RETAIL BUYERS, EXC. FARM PRO	21302036	146	148	2	0	7	7
* SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	139	148	9	1	5	7
* SALESPERSONS, RETAIL	49011277	8,590	9,335	745	124	528	652
TOTALS		8,875	9,631	756	125	540	666

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
APPAREL & ACCESSORIES MKTG, GE	08.0101	123	3	0	0	0	0	0	0	0	0	126
FASHION MERCHANDISING.	08.0102	0	0	0	0	0	20	0	0	0	0	20
FASHION/FABRIC COORDINATION.	20.0306	0	0	0	0	0	0	0	0	0	0	0
WEDDING/SPECIALTY CONSULTING.	20.0308	0	0	0	0	0	0	0	0	0	0	0
TOTALS		123	3	0	0	0	20	0	0	0	0	146

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	21302036	11
* SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	140
* SALESPERSONS, RETAIL	49011277	259
TOTAL		410

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0410 INDUSTRIAL AND COMMERCIAL SALES

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	SALES ENGINEERS	49002288	498	521	23	4	14	23
*	SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EX	49005290	2,048	2,180	132	22	75	97
*	SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	1,232	1,311	79	13	45	58
	TOTALS		3,778	4,012	234	39	139	178

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INDUSTRIAL SALES.	08.0702	7	0	0	0	0	0	0	0	0	0	7
OFFICE PRODUCTS AND EQUIPMENT	08.0807	0	0	0	0	0	0	0	0	0	0	0
TOTALS		7	0	0	0	0	0	0	0	0	0	7

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EXC. RETAIL	49005290	39
*	SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	140
	TOTAL		179

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0420 TRANSPORTATION MANAGEMENT AND SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
COMMUNICATION, TRANSPORTATION & UTILITY	15023015	1,548	1,595	47	8	67	75
TOTALS		1,548	1,595	47	8	67	75

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
TRANSPORTATION MANAGEMENT.	06.0705	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
COMMUNICATION, TRANSPORTATION & UTILITY OPS. MGRS.	15023015	34
TOTAL		34

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0430 TRAVEL AND TOURISM

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
TRAVEL AGENTS	43021280	690	944	254	42	43	85
TRAVEL CLERKS	53802336	73	78	5	1	2	3
RESERVATION & TRANSPORTATION TICKET AGEN	53805335	333	349	16	3	8	11
TRANSPORTATION ATTENDANTS, OTHER	68028490	3	3	0	0	0	0
TOTALS		1,099	1,374	275	46	53	99

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
TRANSPORTATION & TRAVEL MKTG,	08.1101	10	0	0	0	54	0	0	4	0	68
TRANSPORTATION MARKETING.	08.1102	0	0	0	0	0	0	0	0	0	0
TOURISM.	08.1104	0	0	0	0	0	0	0	0	0	0
TRAVEL SERVICES MARKETING.	08.1105	0	0	0	0	16	0	0	289	0	305
TOTALS		10	0	0	0	70	0	0	293	0	373

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
TRAVEL AGENTS	43021280	5
TRAVEL CLERKS	53802336	2
RESERVATION & TRANSPORTATION TICKET AGENTS	53805335	11
TRANSPORTATION ATTENDANTS, OTHER	68028490	0
TOTAL		18

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0440 HOSPITALITY MANAGEMENT AND MARKETING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* FOOD SERVICE & LODGING MANAGERS	15026005	1,181	1,255	74	12	53	66
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	60	62	2	0	3	3
* SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	98	102	4	1	3	4
* ALL OTHER SERVICE SALES OCCUPATIONS	43099282	284	306	22	4	16	20
HOTEL DESK CLERKS	53808330	1,498	1,616	118	20	95	115
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	772	809	37	6	38	44
BAGGAGE PORTERS AND BELLHOPS	68023442	155	162	7	1	8	9
TOTALS		4,048	4,312	264	44	216	261

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
HOTEL/MOTEL MANAGEMENT.	06.0701	2	0	1	66	0	0	0	0	0	0	69
HOSPITALITY & RECREATION MARKE	08.0901	15	0	0	0	0	0	0	0	0	0	15
MARKETING OF HOTEL/MOTEL SERVI	08.0902	4	0	0	0	0	0	0	0	0	0	4
TOTALS		21	0	1	66	0	0	0	0	0	0	88

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* FOOD SERVICE & LODGING MANAGERS	15026005	102
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	71
* SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	42
* ALL OTHER SERVICE SALES OCCUPATIONS	43099282	7
HOTEL DESK CLERKS	53808330	14
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	24
BAGGAGE PORTERS AND BELLHOPS	68023442	1
TOTAL		261

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0450 RESTAURANT MANAGEMENT

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	FOOD SERVICE & LODGING MANAGERS	15026005	3,201	3,401	200	33	145	178
	TOTALS		3,201	3,401	200	33	145	178

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
RESTAURANT MANAGEMENT.	06.0704	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	FOOD SERVICE & LODGING MANAGERS	15026005	102
	TOTAL		102

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0460 RECREATIONAL MARKETING AND SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	151	157	6	1	7	8
* RECREATION WORKERS	27311107	855	915	60	10	33	43
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	772	809	37	6	38	44
AMUSEMENT & RECREATION ATTENDANTS	68014441	1,852	1,974	122	20	50	70
GUIDES	68017487	172	184	12	2	4	6
USHERS, LOBBY ATTENDANTS & TICKET TAKERS	68021453	317	341	24	4	39	43
TOTALS		4,119	4,380	261	43	171	214

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
RECREATIONAL ENTERPRISES MANAG	06.0702	0	0	0	0	0	0	0	0	0	0	0
MARKETING OF RECREATIONAL SERV	08.0903	0	0	0	0	0	0	0	0	0	0	0
PARKS AND RECREATION, GENERAL.	31.0101	0	0	0	0	0	0	0	0	0	0	0
OUTDOOR RECREATION.	31.0201	0	0	0	0	0	0	0	0	0	0	0
PARKS AND RECREATION MANAGEMEN	31.0301	0	0	2	68	0	0	3	0	0	0	73
LEISURE AND RECREATIONAL ACTIV	36.0101	0	0	3	0	0	0	0	0	0	0	3
TOTALS		0	0	5	68	0	0	3	0	0	0	76

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* ALL OTHER MANAGERS & ADMINISTRATORS	19999022	71
* RECREATION WORKERS	27311107	19
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	24
AMUSEMENT & RECREATION ATTENDANTS	68014441	12
GUIDES	68017487	0
USHERS, LOBBY ATTENDANTS & TICKET TAKERS	68021453	0
TOTAL		126

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0470 DENTISTRY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DENTISTS	32105158	1,712	1,836	124	21	84	105
TOTALS		1,712	1,836	124	21	84	105

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
DENTISTRY, GENERAL.	18.0401	0	0	0	0	80	0	0	0	0	0	80
TOTALS		0	0	0	0	80	0	0	0	0	0	80

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DENTISTS	32105158	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0480 DENTAL ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DENTAL ASSISTANTS	66002431	1,931	2,162	231	39	27	66
TOTALS		1,931	2,162	231	39	27	66

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
DENTAL ASSISTING.	17.0101	11	13	5	0	0	59	0	0	0	0	88
TOTALS		11	13	5	0	0	59	0	0	0	0	88

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DENTAL ASSISTANTS	66002431	22
TOTAL		22

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0490 DENTAL HYGIENE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DENTAL HYGIENISTS	32908200	733	838	105	18	3	21
TOTALS		733	838	105	18	3	21

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
DENTAL HYGIENE.	17.0102	0	0	12	16	0	0	0	0	0	0	28
TOTALS		0	0	12	16	0	0	0	0	0	0	28

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DENTAL HYGIENISTS	32908200	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0500 DENTAL LABORATORY TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DENTAL LAB TECHNICIANS, PRECISION	89921719	621	674	53	9	33	42
TOTALS		621	674	53	9	33	42

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
DENTAL LABORATORY TECHNOLOGY.	17.0103	10	6	7	0	0	0	0	0	0	0	23
TOTALS		10	6	7	0	0	0	0	0	0	0	23

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DENTAL LAB TECHNICIANS, PRECISION	89921719	6
TOTAL		6

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0510 PHYSICIANS AND SURGEONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHYSICIANS AND SURGEONS	32102164	5,764	6,133	369	62	354	416
TOTALS		5,764	6,133	369	62	354	416

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MEDICINE, GENERAL.	18.1001	0	0	0	0	163	0	0	44	0	0	207
OSTEOPATHIC MEDICINE.	18.1310	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	163	0	0	44	0	0	207

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHYSICIANS AND SURGEONS	32102164	2
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0520 NURSING, GENERAL

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
REGISTERED NURSES	32502165	13,837	15,600	1,763	294	483	777
TOTALS		13,837	15,600	1,763	294	483	777

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
NURSING, GENERAL.	18.1101	0	39	400	271	44	40	85	6	0	0	885
TOTALS		0	39	400	271	44	40	85	6	0	0	885

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
REGISTERED NURSES	32502165	21
TOTAL		21

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0530 PRACTICAL NURSING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
LICENSED PRACTICAL NURSES	32505205	7,654	8,162	508	85	352	437
TOTALS		7,654	8,162	508	85	352	437

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PRACTICAL NURSING.	17.0605	1	455	0	0	0	0	0	0	0	0	456
TOTALS		1	455	0	0	0	0	0	0	0	0	456

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
LICENSED PRACTICAL NURSES	32505205	20
TOTAL		20

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0540 NURSING ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
NURSING AIDES, ORDERLIES & ATTENDANTS	66008434	15,082	16,298	1,216	203	869	1,072
HOME HEALTH AIDES	66011451	1,009	1,129	120	20	99	119
TOTALS		16,091	17,427	1,336	223	968	1,191

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
HOME HEALTH AIDE.	17.0404	0	0	0	0	0	0	0	0	11	0	11
GERIATRIC AIDE.	17.0601	2	0	0	0	0	0	0	0	0	0	2
NURSING ASSISTING.	17.0602	120	117	0	0	0	0	0	0	0	42	279
TOTALS		122	117	0	0	0	0	0	0	11	42	292

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
NURSING AIDES, ORDERLIES & ATTENDANTS	66008434	77
HOME HEALTH AIDES	66011451	19
TOTAL		96

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0550 PHYSICIAN ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHYSICIANS ASSISTANTS	32511163	515	552	37	6	6	12
TOTALS		515	552	37	6	6	12

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PHYSICIAN ASSISTING.	17.0508	0	0	0	65	0	0	0	0	0	0	65
TOTALS		0	0	0	65	0	0	0	0	0	0	65

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHYSICIANS ASSISTANTS	32511163	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0560 MEDICAL OFFICE ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MEDICAL ASSISTANTS	66005432	1,395	1,583	188	31	39	70
TOTALS		1,395	1,583	188	31	39	70

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MEDICAL ASSISTING.	17.0503	18	42	19	0	0	146	0	0	0	24	249
MEDICAL OFFICE MANAGEMENT.	17.0505	0	0	0	0	0	0	0	0	0	0	0
OPHTHALMIC MEDICAL ASSISTING.	17.0703	0	0	0	0	0	0	0	0	0	0	0
TOTALS		18	42	19	0	0	146	0	0	0	24	249

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MEDICAL ASSISTANTS	66005432	32
TOTAL		32

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0570 ELECTROCARDIOGRAPHIC TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ELECTROCARDIOGRAPH TECHNICIANS/TECHNOLOG	32926202	175	188	13	2	2	4
TOTALS		175	188	13	2	2	4

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
ELECTROCARDIOGRAPH TECHNOLOGY.	17.0203	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ELECTROCARDIOGRAPH TECHNICIANS/TECHNOLOGISTS	32926202	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0580 ELECTROENCEPHALOGRAPHIC TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ELECTROENCEPHALOGRAPH TECHNICIANS/TECHNO	32923203	76	88	12	2	1	3
TOTALS		76	88	12	2	1	3

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ELECTROENCEPHALOGRAPH TECHNOLO	17.0204	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ELECTROENCEPHALOGRAPH TECHNICIANS/TECHNOLOGISTS	32923203	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0590 EMERGENCY MEDICAL TECHNOLOGY/PARAMEDIC

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
EMERGENCY MEDICAL TECHNICIANS	32508204	876	924	48	8	11	19
AMBULANCE DRIVERS AND ATTENDANTS, EXCEPT	66023430	308	312	4	1	8	9
TOTALS		1,184	1,236	52	9	19	28

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
EMERGENCY MEDICAL TECHNOLOGY -	17.0205	1	28	0	0	0	0	0	0	0	0	29
EMERGENCY MEDICAL TECHNOLOGY -	17.0206	0	0	0	0	0	0	0	0	0	0	0
TOTALS		1	28	0	0	0	0	0	0	0	0	29

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
EMERGENCY MEDICAL TECHNICIANS	32508204	16
AMBULANCE DRIVERS AND ATTENDANTS, EXCEPTS EMTS.	66023430	3
TOTAL		19

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0600 MEDICAL LABORATORY TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MEDICAL & CLINICAL LABORATORY TECHNOLOGI	32902208	1,778	1,903	125	21	22	43
* MEDICAL & CLINICAL LABORATORY TECHNICIAN	32905207	1,352	1,472	120	20	18	38
TOTALS		3,130	3,375	245	41	40	81

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CLINICAL LABORATORY ASSISTING.	17.0305	0	0	0	0	0	0	0	0	0	0	0
HEMATOLOGY TECHNOLOGY.	17.0307	0	0	0	0	0	0	0	0	0	0	0
HISTOLOGIC TECHNOLOGY.	17.0308	0	0	0	0	0	0	0	0	0	0	0
MEDICAL LABORATORY TECHNOLOGY.	17.0309	0	0	33	0	0	0	0	0	0	0	33
MEDICAL TECHNOLOGY.	17.0310	0	0	0	39	0	0	3	0	0	0	42
TOTALS		0	0	33	39	0	0	3	0	0	0	75

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	32902208	4
* MEDICAL & CLINICAL LABORATORY TECHNICIANS	32905207	8
TOTAL		12

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0610 MEDICAL RECORDS TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MEDICAL RECORD TECHNICIANS & TECHNOLOGIS	32911209	560	672	112	19	67	86
TOTALS		560	672	112	19	67	86

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
MEDICAL RECORDS TECHNOLOGY.	17.0506	1	0	5	0	0	0	0	0	0	0	6
MEDICAL RECORDS ADMINISTRATION	16.0703	0	0	0	10	0	0	0	0	0	0	10
TOTALS		1	0	5	10	0	0	0	0	0	0	16

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MEDICAL RECORD TECHNICIANS & TECHNOLOGISTS	32911209	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0620 SURGICAL TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SURGICAL TECHNICIANS	32928215	617	702	85	14	8	22
TOTALS		617	702	85	14	8	22

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
SURGICAL TECHNOLOGY.	17.0211	0	20	0	0	0	0	0	0	0	0	20
TOTALS		0	20	0	0	0	0	0	0	0	0	20

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SURGICAL TECHNICIANS	32928215	2
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0630 OCCUPATIONAL THERAPY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
OCCUPATIONAL THERAPISTS	32305167	164	187	23	4	3	7
TOTALS		164	187	23	4	3	7

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
OCCUPATIONAL THERAPY.	17.0807	0	0	0	21	0	0	0	0	0	0	21
TOTALS		0	0	0	21	0	0	0	0	0	0	21

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
OCCUPATIONAL THERAPISTS	32305167	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0640 OCCUPATIONAL THERAPY ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
OCCUPATIONAL THERAPY ASSISTANTS & AIDES	66021436	85	96	11	2	2	4
TOTALS		85	96	11	2	2	4

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
OCCUPATIONAL THERAPY ASSISTING	17.0808	0	0	1	0	0	0	0	0	0	0	1
OCCUPATIONAL THERAPY AIDE.	17.0809	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	1	0	0	0	0	0	0	0	1

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
OCCUPATIONAL THERAPY ASSISTANTS & AIDES	66021436	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0650 PHYSICAL THERAPY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHYSICAL THERAPISTS	32308168	573	673	100	17	11	28
TOTALS		573	673	100	17	11	28

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PHYSICAL THERAPY.	17.0813	0	0	0	44	0	0	1	0	0	0	45
TOTALS		0	0	0	44	0	0	1	0	0	0	45

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHYSICAL THERAPISTS	32308168	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0660 PHYSICAL AND CORRECTIVE THERAPY ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHYSICAL & CORRECTIVE THERAPY ASSISTANTS	66017438	546	623	77	13	15	28
TOTALS		546	623	77	13	15	28

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
REHABILITATION SERVICES.	17.0800	0	0	0	0	0	0	0	0	0	0	0
ORTHOTICS AND PROSTHETICS ASSI	17.0810	1	0	0	0	0	0	0	0	0	0	1
PHYSICAL THERAPY AIDE.	17.0814	0	0	0	0	0	0	0	0	0	0	0
PHYSICAL THERAPY ASSISTING.	17.0815	2	0	20	0	0	0	0	0	0	0	22
SPEECH/HEARING THERAPY AIDE.	17.0820	0	0	0	0	0	0	0	0	0	0	0
RECREATIONAL THERAPY AIDE.	17.0821	0	0	0	0	0	0	0	0	0	0	0
TOTALS		3	0	20	0	0	0	0	0	0	0	23

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	66017438	2
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0670 RADIOLOGIC AND NUCLEAR MEDICINE TECHNOLOGIES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
NUCLEAR MEDICINE TECHNOLOGISTS	32914210	109	118	9	2	1	3
RADIOLOGIC TECHNOLOGISTS	32917214	628	678	50	8	6	14
RADIOLOGIC TECHNICIANS	32921213	947	1,026	79	13	10	23
TOTALS		1,684	1,822	138	23	17	40

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
RADIOLOGIC (MEDICAL) TECHNOLOG	17.0209	0	12	0	62	1	0	0	0	0	0	75
TOTALS		0	12	0	62	1	0	0	0	0	0	75

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
NUCLEAR MEDICINE TECHNOLOGISTS	32914210	0
RADIOLOGIC TECHNOLOGISTS	32917214	2
RADIOLOGIC TECHNICIANS	32921213	2
TOTAL		4

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0680 RESPIRATORY THERAPY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
RESPIRATORY THERAPISTS	32302170	524	580	56	9	3	12
TOTALS		524	580	56	9	3	12

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
RESPIRATORY THERAPY TECHNOLOGY	17.0210	0	7	34	0	0	0	0	0	0	0	41
RESPIRATORY THERAPY.	17.0818	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY THERAPY ASSISTING.	17.0819	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	7	34	0	0	0	0	0	0	0	41

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
RESPIRATORY THERAPISTS	32302170	2
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0690 SPEECH PATHOLOGY AND AUDIOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SPEECH PATHOLOGISTS & AUDIOLOGISTS	32314171	429	453	24	4	4	8
TOTALS		429	453	24	4	4	8

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
SPEECH PATHOLOGY.	18.0102	0	0	0	30	2	0	0	0	0	0	32
TOTALS		0	0	0	30	2	0	0	0	0	0	32

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SPEECH PATHOLOGISTS & AUDIOLOGISTS	32314171	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0700 MEDICAL THERAPY, OTHER

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CORRECTIVE & MANUAL ARTS THERAPISTS	32311173	6	6	0	0	0	0
RECREATIONAL THERAPISTS	32317169	228	250	22	4	10	14
ALL OTHER THERAPISTS	32399175	142	150	8	1	6	7
TOTALS		376	406	30	5	16	21

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
RECREATIONAL THERAPY.	17.0816	0	0	0	0	0	0	0	0	0	0	0
RECREATIONAL THERAPY TECHNOLOG	17.0817	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CORRECTIVE & MANUAL ARTS THERAPISTS	32311173	0
RECREATIONAL THERAPISTS	32317169	1
ALL OTHER THERAPISTS	32399175	1
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0710 OPTOMETRY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
OPTOMETRISTS	32108160	574	599	25	4	29	33
TOTALS		574	599	25	4	29	33

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
OPTOMETRY.	18.1201	0	0	0	22	16	0	0	0	0	0	38
TOTALS		0	0	0	22	16	0	0	0	0	0	38

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
OPTOMETRISTS	32108160	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0720 OPTOMETRIC TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
OPTICIANS, DISPENSING & MEASURING	32514211	485	492	7	1	41	42
TOTALS		485	492	7	1	41	42

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
OPHTHALMIC DISPENSING.	17.0701	0	0	0	0	0	0	0	0	0	0	0
OPTOMETRIC TECHNOLOGY.	17.0705	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
OPTICIANS, DISPENSING & MEASURING	32514211	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0730 PHARMACY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHARMACISTS	32517161	2,313	2,472	159	27	123	150
TOTALS		2,313	2,472	159	27	123	150

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PHARMACY.	18.1401	0	0	0	126	5	0	0	0	0	0	131
TOTALS		0	0	0	126	5	0	0	0	0	0	131

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHARMACISTS	32517161	3
TOTAL		3

* *indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0740 PHARMACY ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHARMACY ASSISTANTS	66026437	938	1,018	80	13	26	39
TOTALS		938	1,018	80	13	26	39

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
PHARMACY ASSISTING.	17.0507	5	0	0	0	0	0	0	0	0	0	5
TOTALS		5	0	0	0	0	0	0	0	0	0	5

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHARMACY ASSISTANTS	66026437	8
TOTAL		8

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0750 HEALTH SERVICES ADMINISTRATION

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* ADMINISTRATIVE SERVICES MANAGERS	13014014	81	86	5	1	4	4
MEDICINE AND HEALTH SERVICE MANAGER	15008020	938	1,009	71	12	37	49
* INTERVIEWING CLERKS, EXC. PERSONNEL/SOCI	55332331	561	605	44	7	23	30
TOTALS		1,580	1,700	120	20	64	83

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
HEALTH UNIT COORDINATING.	17.0513	0	1	0	0	0	0	0	0	0	0	1
HEALTH UNIT MANAGEMENT.	17.0606	0	0	0	0	0	0	0	0	0	0	0
HEALTH SERVICES ADMINISTRATION	18.0701	0	0	0	8	0	0	0	1	0	0	9
TOTALS		0	1	0	8	0	0	0	1	0	0	10

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* ADMINISTRATIVE SERVICES MANAGERS	13014014	226
MEDICINE AND HEALTH SERVICE MANAGER	15008020	5
* INTERVIEWING CLERKS, EXC. PERSONNEL/SOCIAL WELFARE	55332331	11
TOTAL		242

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0760 PSYCHOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PSYCHOLOGISTS	27108099	633	671	38	6	9	15
TOTALS		633	671	38	6	9	15

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PSYCHOLOGY, GENERAL.	42.0101	0	0	140	0	0	0	0	0	0	0	140
CLINICAL PSYCHOLOGY.	42.0201	0	0	0	298	35	0	83	0	0	0	416
COUNSELING PSYCHOLOGY.	42.0601	0	0	0	0	24	0	0	1	0	0	25
INDUSTRIAL AND ORGANIZATIONAL	42.0901	0	0	0	0	0	0	0	18	0	0	18
PHYSIOLOGICAL PSYCHOLOGY.	42.1101	0	0	0	0	5	0	0	0	0	0	5
PSYCHOMETRICS.	42.1301	0	0	0	0	2	0	0	0	0	0	2
PSYCHOLOGY, OTHER.	42.9999	0	0	0	0	2	0	0	0	0	0	2
TOTALS		0	0	140	298	68	0	83	19	0	0	608

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PSYCHOLOGISTS	27108099	2
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0770 MENTAL HEALTH AND HUMAN SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SOCIAL WORKER, MED.& PSYCHIATRIC	27302110	3,617	3,866	249	42	132	174
SOCIAL WORKERS EX.MED. & PSYCHIATRIC	27305111	1,042	1,123	81	14	38	52
SOCIAL SERVICE TECHNICIANS	27308108	895	980	85	14	33	47
WELFARE ELIGIBILITY WORKERS	53502301	188	202	14	2	4	6
PSYCHIATRIC AIDES	66014435	726	726	0	0	40	40
TOTALS		6,468	6,897	429	72	247	319

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
COMMUNITY HEALTH WORK.	17.0402	0	0	0	0	0	0	0	0	0	0	0
MENTAL HEALTH/HUMAN SERVICES A	17.0405	0	0	0	0	0	0	0	0	0	0	0
MENTAL HEALTH/HUMAN SERVICES T	17.0406	0	0	1	0	0	0	0	0	0	0	1
REHABILITATION COUNSELING.	17.0407	0	0	0	0	0	0	0	0	0	0	0
COMMUNITY SERVICES.	44.0201	0	0	0	41	23	0	0	0	0	0	64
SOCIAL WORK, GENERAL.	44.0701	0	0	1	54	58	0	35	0	0	0	148
TOTALS		0	0	2	95	81	0	35	0	0	0	213

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SOCIAL WORKER, MED.& PSYCHIATRIC	27302110	11
SOCIAL WORKERS EX.MED. & PSYCHIATRIC	27305111	18
SOCIAL SERVICE TECHNICIANS	27308108	0
WELFARE ELIGIBILITY WORKERS	53502301	0
PSYCHIATRIC AIDES	66014435	4
TOTAL		33

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0780 HEALTH SCIENCES, OTHER

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PODIATRISTS	32111162	53	55	2	0	0	0
ALL OTHER HEALTH PRACTITIONERS	32199218	295	312	17	3	24	27
TOTALS		348	367	19	3	24	27

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PUBLIC HEALTH PRACTICE AND MAN	18.2204	0	0	0	0	67	0	0	0	0	0	67
HEALTH SCIENCES, OTHER.	18.9999	43	3	0	22	16	0	0	3	0	0	87
TOTALS		43	3	0	22	83	0	0	3	0	0	154

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PODIATRISTS	32111162	0
ALL OTHER HEALTH PRACTITIONERS	32199218	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0790 HEALTH WORKERS, OTHER

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ALL OTHER HEALTH PROFESSIONALS & PARAPRO	32999219	2,056	2,196	140	23	26	49
ALL OTHER HEALTH SERVICE WORKERS	66099439	592	648	56	9	42	51
MEDICAL APPLIANCE MAKERS	89923726	54	54	0	0	3	3
TOTALS		2,702	2,898	196	32	71	103

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CARDIOVASCULAR TECHNOLOGY.	17.0201	0	0	0	0	0	0	0	0	0	0	0
DIAGNOSTIC MEDICAL SONOGRAPHY.	17.0212	0	0	0	0	0	0	0	0	0	0	0
CENTRAL SUPPLY TECHNOLOGY.	17.0502	0	0	0	0	0	0	0	0	0	0	0
ORTHOTICS/PROSTHETICS.	17.0811	0	0	0	0	0	0	0	0	0	0	0
ORTHOPEDIC ASSISTING.	17.0812	0	0	0	0	0	0	0	0	0	0	0
ALLIED HEALTH, OTHER	17.9999	0	0	3	0	0	0	0	0	0	0	3
TOTALS		0	0	3	0	0	0	0	0	0	0	3

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ALL OTHER HEALTH PROFESSIONALS & PARAPROFESSIONALS	32999219	6
ALL OTHER HEALTH SERVICE WORKERS	66099439	0
MEDICAL APPLIANCE MAKERS	89923726	0
TOTAL		6

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0800 CHILD CARE MANAGEMENT

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	ALL OTHER MANAGERS & ADMINISTRATORS	19999022	56	58	2	0	2	3
*	TEACHERS, PRESCHOOL & KINDERGARTEN	31302119	2,139	2,289	150	25	54	79
	TOTALS		2,195	2,347	152	25	56	82

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PRE-ELEMENTARY EDUCATION.	13.1204	0	0	0	13	24	0	15	0	0	0	52
FAMILY RELATIONS	19.0704	0	0	11	46	13	0	6	0	0	0	76
CHILD DEVELOPMENT, CARE, AND G	20.0102	0	0	3	0	0	0	0	0	0	0	3
CHILDCARE AND GUIDANCE MANAGEM	20.0201	0	0	0	0	0	0	0	0	0	0	0
CHILD CARE MANAGEMENT.	20.0203	4	1	0	0	0	0	0	0	0	0	5
TOTALS		4	1	14	59	37	0	21	0	0	0	136

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	ALL OTHER MANAGERS & ADMINISTRATORS	19999022	71
*	TEACHERS, PRESCHOOL & KINDERGARTEN	31302119	2
	TOTAL		73

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0810 CHILD CARE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* RECREATION WORKERS	27311107	26	28	2	0	1	1
CHILD CARE WORKERS	68038444	5,206	5,535	329	55	304	359
TOTALS		5,232	5,563	331	55	305	360

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CHILD CARE AIDE/ASSISTING.	20.0202	79	29	0	0	0	0	0	0	0	0	108
FOSTER CARE/FAMILY CARE.	20.0204	0	0	0	0	0	0	0	0	0	0	0
TOTALS		79	29	0	0	0	0	0	0	0	0	108

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* RECREATION WORKERS	27311107	19
CHILD CARE WORKERS	68038444	32
TOTAL		51

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0820 TEXTILE MANUFACTURING AND GARMENT CONSTRUCTION

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* 1ST LINE SUPERVISORS, PRODUCTION & OPERA	81008530	241	259	18	3	3	6
* PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	198	213	15	2	5	8
FABRIC PATTERNMAKER, LAYOUT WORKER	89502696	36	33	-3	0	0	0
ALL OTHER PRECISION TEXTILE, APPAREL & F	89599703	400	411	11	2	46	48
TEXTILE MACHINE OPRATORS & TENDERS, WIND	92705808	535	560	25	4	13	17
TEXTILE DRAW-OUT MACHINE OPERATOR	92711807	2	2	0	0	0	0
TEXTILE DYEING MACHINE OPERATOR	92714805	2	2	0	0	0	0
SEWING MACHINE OPERATORS, GARMENT	92717803	6,028	5,461	-567	-94	168	74
* PRESSING MACHINE OPS/TENDERS, TEXTILE/GA	92728802	352	356	4	1	18	18
SEWERS, HAND	93923879	4	4	0	0	0	0
PORTABLE MACHINE CUTTERS	93928877	75	71	-4	-1	3	2
* ALL OTHER HAND WORKERS	93999889	612	665	53	9	16	24
TOTALS		8,485	8,037	-448	-74	272	197

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
TEXTILES AND CLOTHING, GENERAL	19.0901	0	0	0	116	3	0	0	0	0	0	119
TEXTILES AND CLOTHING, OTHER.	19.0999	0	0	0	0	0	0	0	0	0	0	0
CLOTHING,APPAREL & TEXTILES MG	20.0301	0	0	0	0	0	0	0	0	0	0	0
COMMERCIAL GARMENT AND APPAREL	20.0303	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	116	3	0	0	0	0	0	119

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* 1ST LINE SUPERVISORS, PRODUCTION & OPERATIVE WKRS	81008530	107
* PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
FABRIC PATTERNMAKER, LAYOUT WORKER	89502696	0
ALL OTHER PRECISION TEXTILE, APPAREL & FURN. WKRS	89599703	1
TEXTILE MACHINE OPRATORS & TENDERS, WINDING	92705808	5
TEXTILE DRAW-OUT MACHINE OPERATOR	92711807	0
TEXTILE DYEING MACHINE OPERATOR	92714805	0
SEWING MACHINE OPERATORS, GARMENT	92717803	212
* PRESSING MACHINE OPS/TENDERS, TEXTILE/GARMENT/REL	92728802	17
SEWERS, HAND	93923879	0
PORTABLE MACHINE CUTTERS	93928877	1
* ALL OTHER HAND WORKERS	93999889	139
TOTAL		592

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0830 CUSTOM GARMENT TAILORING, MENDING, AND ALTERATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
WARDROBE, LOCKER ROOM & DRESSING ROOM AT	68032491	31	33	2	0	2	2
MENDERS, GARMENTS, LINENS & RELATED	85956659	167	175	8	1	6	7
CUSTOM TAILORS & SEWERS	89505695	1,109	1,160	51	9	141	150
TOTALS		1,307	1,368	61	10	149	159

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CLOTHING MAINTENANCE AIDE.	20.0302	0	0	0	0	0	0	0	0	0	0	0
CUSTOM APPAREL/GARMENT SEAMSTR	20.0304	31	9	0	0	0	0	0	0	0	0	40
CUSTOM TAILORING AND ALTERATIO	20.0305	3	1	0	0	0	0	0	0	0	0	4
TOTALS		34	10	0	0	0	0	0	0	0	0	44

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
WARDROBE, LOCKER ROOM & DRESSING ROOM ATTENDANTS	68032491	2
MENDERS, GARMENTS, LINENS & RELATED	85956659	1
CUSTOM TAILORS & SEWERS	89505695	2
TOTAL		5

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0840 FOOD PREPARATION AND SERVICE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	771	808	37	6	37	44
HOSTS & HOSTESSES, RESTAURANT/LOUNGE/COF	65002424	1,073	1,109	36	6	50	56
BARTENDERS	65005418	1,096	1,167	71	12	22	34
WAITERS AND WAITRESSES	65008425	15,622	16,279	657	110	260	370
* FOOD SERVERS, OUTSIDE	65011423	113	121	8	1	1	2
DINING ROOM & CAFETERIA ATTENDANTS & BAR	65014419	4,269	4,525	256	43	84	127
COUNTER ATTENDANTS, LUNCHROOM, CAFETERIA	65017421	5,189	5,346	157	26	37	63
BAKERS, BREAD & PASTRY	65021410	807	878	71	12	44	56
COOKS,RESTAURANT	65026412	4,059	4,235	176	29	214	243
COOKS, INSTITUTION OR CAFETERIA	65028411	7,965	8,291	326	54	420	474
COOKS, SPECIALITY FAST FOOD	65032415	5,133	5,238	105	18	268	286
COOKS, SHORT ORDER	65035414	4,302	4,398	96	16	114	130
FOOD PREPARATION WORKERS	65038416	14,236	14,806	570	95	825	920
COMB. FOOD PREPARATION & SERVICE	65041422	19,460	19,827	367	61	811	872
ALL OTHER FOOD SERVICE WORKERS	65099428	3,804	3,993	189	32	177	209
* PRECISION INSPEC., TESTERS & GRADERS	83002713	288	302	14	2	10	12
BAKERS, MANUFACTURING	89805666	765	791	26	4	35	39
TOTALS		88,952	92,114	3,162	527	3,409	3,937

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
WAITER/WAITRESS AND RELATED SE	08.0905	73	0	0	0	0	0	0	0	0	0	73
BARTENDING	12.0202	0	0	0	0	0	0	0	0	36	0	36
FOOD PRODUCTION, MGMT. & SERVI	20.0401	0	0	0	0	0	0	0	0	0	0	0
BAKING.	20.0402	1	0	0	0	0	0	0	0	0	0	1
CHEF/COOK.	20.0403	8	0	0	0	0	0	0	0	0	65	73
FOOD CATERING.	20.0405	4	0	0	0	0	0	0	0	0	0	4
FOOD SERVICE.	20.0406	100	48	0	0	0	0	0	0	0	36	184
SCHOOL FOOD SERVICE.	20.0408	0	0	0	0	0	0	0	0	0	0	0
PRECISION FOOD PRODUCTION, GEN	48.0401	0	0	0	0	0	0	0	0	0	0	0
TOTALS		186	48	0	0	0	0	0	0	36	101	371

** indicates occupation code occurs in more than one cluster*

W O R K F O R C E O K L A H O M A
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0840 FOOD PREPARATION AND SERVICE --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	24
HOSTS & HOSTESSES, RESTAURANT/LOUNGE/COFFEE SHOP	65002424	2
BARTENDERS	65005418	26
WAITERS AND WAITRESSES	65008425	88
* FOOD SERVERS, OUTSIDE	65011423	4
DINING ROOM & CAFETERIA ATTENDANTS & BAR HELPERS	65014419	11
COUNTER ATTENDANTS, LUNCHROOM, CAFETERIA OR COFFEE	65017421	21
BAKERS, BREAD & PASTRY	65021410	11
COOKS,RESTAURANT	65026412	87
COOKS, INSTITUTION OR CAFETERIA	65028411	46
COOKS, SPECIALITY FAST FOOD	65032415	0
COOKS, SHORT ORDER	65035414	23
FOOD PREPARATION WORKERS	65038416	60
COMB. FOOD PREPARATION & SERVICE	65041422	11
ALL OTHER FOOD SERVICE WORKERS	65099428	0
* PRECISION INSPEC., TESTERS & GRADERS	83002713	56
BAKERS, MANUFACTURING	89805666	5
TOTAL		475

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0850 FOOD PROCESSING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* CHEMICAL TECHNICIANS & TECHNOLOGISTS, EX	24505236	22	24	2	0	0	1
GRADERS & SORTERS, AGRICULTURAL PRODUCTS	79011524	513	530	17	3	17	20
* PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	150	161	11	2	4	6
FOOD BATCHMAKERS	89808671	241	241	0	0	7	7
ALL OTHER PRECISION FOOD & TOBACCO WORKE	89899672	100	96	-4	-1	3	2
COOKING MACHINE OPERATORS & TENDERS, FOO	92917825	166	168	2	0	2	2
ROASTING MACHINE OPERATORS & TENDERS, FO	92921826	47	49	2	0	5	5
DAIRY PROCESSING EQUIP OPERATORS, INCL.	92932831	151	153	2	0	2	2
CLEANING, PICKLING EQUIP. OPERATORS	92958852	174	190	16	3	3	6
* CRUSHING & MIXING MACHINE OPERATORS & TE	92965827	793	873	80	13	21	34
CANNERY WORKERS	93935868	265	245	-20	-3	6	3
TOTALS		2,622	2,730	108	17	70	88

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
AGRICULTURAL PRODUCTS & PROCES	01.0401	0	0	0	0	0	0	0	0	0	0	0
FOOD PRODUCTS.	01.0402	7	0	0	0	0	0	0	0	0	0	7
FOOD PROCESSING TECHNOLOGY.	15.0602	0	0	0	0	0	0	0	0	0	0	0
TOTALS		7	0	0	0	0	0	0	0	0	0	7

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	24505236	7
GRADERS & SORTERS, AGRICULTURAL PRODUCTS	79011524	3
* PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
FOOD BATCHMAKERS	89808671	3
ALL OTHER PRECISION FOOD & TOBACCO WORKERS	89899672	3
COOKING MACHINE OPERATORS & TENDERS, FOOD/TOBACCO	92917825	0
ROASTING MACHINE OPERATORS & TENDERS, FOOD/TOBACCO	92921826	1
DAIRY PROCESSING EQUIP OPERATORS, INCL. SETTERS	92932831	0
CLEANING, PICKLING EQUIP. OPERATORS	92958852	2
* CRUSHING & MIXING MACHINE OPERATORS & TENDERS	92965827	14
CANNERY WORKERS	93935868	2
TOTAL		145

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0860 MEATCUTTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
BUTCHERS & MEAT CUTTERS	65023668	2,332	2,454	122	20	75	95
MEAT, POULTRY & FISH CUTTERS & TRIMMERS,	93938874	216	222	6	1	10	11
TOTALS		2,548	2,676	128	21	85	106

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MEATCUTTING.	48.0402	0	0	0	0	0	0	0	0	0	0	0
SLAUGHTERING AND BUTCHERING	48.0403	0	13	0	0	0	0	0	0	0	0	13
TOTALS		0	13	0	0	0	0	0	0	0	0	13

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
BUTCHERS & MEAT CUTTERS	65023668	51
MEAT, POULTRY & FISH CUTTERS & TRIMMERS, HAND	93938874	2
TOTAL		53

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0870 DIETETICS AND NUTRITION

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DIETICIANS AND NUTRITIONISTS	32521159	654	704	50	8	36	44
TOTALS		654	704	50	8	36	44

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
FOOD SCIENCES AND HUMAN NUTRIT	19.0501	0	0	0	42	10	0	0	0	0	0	52
TOTALS		0	0	0	42	10	0	0	0	0	0	52

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DIETICIANS AND NUTRITIONISTS	32521159	6
TOTAL		6

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0880 DIETETIC ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DIETETIC TECHNICIANS	32523201	309	318	9	2	17	19
* FOOD SERVERS, OUTSIDE.	65011423	456	488	32	5	3	9
TOTALS		765	806	41	7	20	28

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
DIETETIC AIDE/ASSISTING.	20.0404	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DIETETIC TECHNICIANS	32523201	3
* FOOD SERVERS, OUTSIDE.	65011423	4
TOTAL		7

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0890 INTERIOR DESIGN

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* WHOLESALE & RETAIL BUYERS, EXC. FARM PRO	21302036	49	50	1	0	2	2
INTERIOR DESIGNERS	34041182	835	921	86	14	29	43
TOTALS		884	971	87	14	31	45

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INTERIOR DESIGN.	04.0501	0	0	0	1	0	8	0	0	0	0	9
HOUSEHOLD EQUIPMENT.	19.0602	0	0	0	36	27	0	0	0	0	0	63
HOME DECORATING.	20.0505	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	37	27	8	0	0	0	0	72

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	21302036	11
INTERIOR DESIGNERS	34041182	1
TOTAL		12

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0900 HOME FURNISHINGS AND DECOR

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	62	66	4	1	2	3
SEWING MACHINE OPERATORS, NON-GARMENT	92721804	908	890	-18	-3	26	23
TOTALS		970	956	-14	-2	28	26

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
HOME FURNISHING AND EQUIPMENT	20.0501	10	2	0	0	0	0	0	0	0	0	12
CUSTOM DRAPERY AND WINDOW TREA	20.0502	0	0	0	0	0	0	0	0	0	0	0
CUSTOM SLIPCOVERING AND UPHOLS	20.0503	0	0	0	0	0	0	0	0	0	0	0
HOME FURNISHINGS AIDE.	20.0506	0	0	0	0	0	0	0	0	0	0	0
TOTALS		10	2	0	0	0	0	0	0	0	0	12

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	140
SEWING MACHINE OPERATORS, NON-GARMENT	92721804	169
TOTAL		309

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0910 HOUSEKEEPING AND JANITORIAL SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
HOUSEKEEPERS, INSTITUTIONAL	61008398	1,574	1,675	101	17	312	329
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	771	808	37	6	37	44
JANITORS, CLEANERS, MAIDS	67001399	193	192	-1	0	7	7
MAIDS & HOUSEKEEPING CLEANERS	67002401	6,918	7,464	546	91	459	550
JANITORS & CLEANERS, EXC. MAIDS	67005400	19,713	20,992	1,279	213	1,494	1,707
ALL OTHER CLEANING & BUILDING SERVICE WO	67099406	3,384	3,568	184	31	222	253
TOTALS		32,553	34,699	2,146	358	2,531	2,890

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INSTITUTION,HOME MGMT & SUPPOR	20.0601	43	6	0	0	0	0	0	0	0	0	49
CUSTODIAL SERVICES.	20.0604	0	0	0	0	0	0	0	0	0	7	7
EXECUTIVE HOUSEKEEPING.	20.0605	0	0	0	0	0	0	0	0	0	0	0
TOTALS		43	6	0	0	0	0	0	0	0	7	56

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
HOUSEKEEPERS, INSTITUTIONAL	61008398	21
* ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	24
MAIDS & HOUSEKEEPING CLEANERS	67002401	42
JANITORS & CLEANERS, EXC. MAIDS	67005400	132
ALL OTHER CLEANING & BUILDING SERVICE WORKERS	67099406	0
TOTAL		219

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0920 PERSONAL SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SOCIAL WELFARE SERVICE AIDES	68035452	114	123	9	2	11	13
TOTALS		114	123	9	2	11	13

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
COMPANION TO THE AGED.	20.0602	0	0	0	0	0	0	0	0	0	0	0
HOMEMAKERS AIDE.	20.0606	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SOCIAL WELFARE SERVICE AIDES	68035452	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0930 DRYCLEANING AND LAUNDERING SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SPOTTERS, DRY CLEANING	89514702	214	229	15	3	13	16
PRESSERS, DELICATE FABRICS	89517701	397	426	29	5	24	29
PRECISION DYERS	89521700	4	4	0	0	0	0
LAUNDRY & DRYCLEANING MACHINE OPS/TENDER	92726837	1,459	1,540	81	14	88	102
* PRESSING MACHINE OPS/TENDERS, TEXTILE/GA	92728802	545	550	5	1	28	28
PRESSERS, HAND	93921878	72	68	-4	-1	2	1
TOTALS		2,691	2,817	126	22	155	176

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
DRYCLEANING & LAUNDERING SERVI	12.0101	0	10	0	0	0	0	0	0	0	0	10
TOTALS		0	10	0	0	0	0	0	0	0	0	10

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SPOTTERS, DRY CLEANING	89514702	0
PRESSERS, DELICATE FABRICS	89517701	1
PRECISION DYERS	89521700	0
LAUNDRY & DRYCLEANING MACHINE OPS/TENDERS EXC. PRS	92726837	16
* PRESSING MACHINE OPS/TENDERS, TEXTILE/GARMENT/REL	92728802	17
PRESSERS, HAND	93921878	53
TOTAL		87

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0940 COSMETOLOGY AND BARBERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
BARBERS	68002443	1,342	1,374	32	5	165	170
HAIRDRESSERS, HAIRSTYLISTS & COSMETOLOGI	68005446	5,296	5,514	218	36	252	288
MANICURISTS	68008447	26	29	3	1	1	2
SHAMPOOERS	68011448	72	77	5	1	3	4
TOTALS		6,736	6,994	258	43	421	464

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PERSONAL SERVICES, GENERAL.	12.0401	0	0	31	0	0	0	0	0	0	0	31
BARBERING/HAIRSTYLING.	12.0402	0	0	0	0	0	0	0	0	0	0	0
COSMETOLOGY.	12.0403	169	38	0	0	0	0	0	0	0	0	207
TOTALS		169	38	31	0	0	0	0	0	0	0	238

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
BARBERS	68002443	0
HAIRDRESSERS, HAIRSTYLISTS & COSMETOLOGISTS	68005446	8
MANICURISTS	68008447	0
SHAMPOOERS	68011448	8
TOTAL		16

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0950 FUNERAL SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
FUNERAL DIRECTORS & MORTICIANS	39011018	659	695	36	6	68	74
EMBALMERS	39014259	154	165	11	2	3	5
FUNERAL ATTENDANTS	68041489	223	241	18	3	16	19
TOTALS		1,036	1,101	65	11	87	98

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
FUNERAL SERVICES. (MORTUARY SC	12.0301	0	0	7	23	0	0	0	0	0	0	30
TOTALS		0	0	7	23	0	0	0	0	0	0	30

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FUNERAL DIRECTORS & MORTICIANS	39011018	2
EMBALMERS	39014259	1
FUNERAL ATTENDANTS	68041489	2
TOTAL		5

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0960 PROTECTIVE SERVICES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
DISPATCHERS: POLICE, FIRE, AMBULANCE	58002345	1,630	1,693	63	11	47	58
POLICE & DETECTIVE SUPERVISORS	61005470	1,018	1,086	68	11	12	23
POLICE DETECTIVES	63011473	481	500	19	3	6	9
POLICE PATROL OFFICERS	63014474	4,217	4,466	249	42	53	95
CORRECTION OFFICERS & JAILERS	63017462	2,296	2,627	331	55	85	140
PARKING ENFORCEMENT OFFICERS	63021478	110	114	4	1	11	12
BAILIFFS	63023479	50	52	2	0	5	5
U.S. MARSHALLS	63026480	15	15	0	0	1	1
CRIMINAL INVESTIGATORS, FEDERAL	63028472	103	106	3	1	1	2
SHERIFFS, DEPUTY SHERIFFS, U.S. MARSHALL	63032481	568	587	19	3	57	60
PRIVATE DETECTIVE & INVESTIGATOR	63035482	120	128	8	1	13	14
RAILROAD & TRANSIT POLICE & SPECIAL AGEN	63038483	16	15	-1	0	2	2
CROSSING GUARDS	63044475	469	481	12	2	162	164
GUARDS AND WATCH GUARDS	63047476	5,889	6,248	359	60	634	694
ALL OTHER PROTECTIVE SERVICES	63099485	1,181	1,244	63	11	82	93
TOTALS		18,163	19,362	1,199	201	1,171	1,372

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CORRECTIONAL ADMINISTRATION.	43.0101	0	0	0	0	2	0	0	0	0	0	2
CORRECTIONS.	43.0102	0	0	94	56	0	20	0	0	0	0	170
CRIMINAL JUSTICE STUDIES.	43.0104	0	0	0	25	0	0	1	0	0	0	26
CRIMINAL JUSTICE TECHNOLOGY.	43.0105	0	0	12	0	0	0	0	0	0	0	12
LAW ENFORCEMENT.	43.0107	0	213	0	0	0	20	0	0	0	0	233
SECURITY SERVICES.	43.0109	0	0	0	0	0	120	0	0	0	20	140
TOTALS		0	213	106	81	2	160	1	0	0	20	583

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0960 PROTECTIVE SERVICES --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
DISPATCHERS: POLICE, FIRE, AMBULANCE	58002345	21
POLICE & DETECTIVE SUPERVISORS	61003470	6
POLICE DETECTIVES	63011473	2
POLICE PATROL OFFICERS	63014474	60
CORRECTION OFFICERS & JAILERS	63017462	13
PARKING ENFORCEMENT OFFICERS	63021476	0
BAILIFFS	63023479	1
U.S. MARSHALLS	63026480	0
CRIMINAL INVESTIGATORS, FEDERAL	63028472	0
SHERIFFS, DEPUTY SHERIFFS, U.S. MARSHALLS	63032481	24
PRIVATE DETECTIVE & INVESTIGATOR	63035482	1
RAILROAD & TRANSIT POLICE & SPECIAL AGENTS	63038483	0
CROSSING GUARDS	63044475	7
GUARDS AND WATCH GUARDS	63047476	52
ALL OTHER PROTECTIVE SERVICES	63099485	2
TOTAL		189

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0970 FIRE CONTROL AND SAFETY TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
FIRE FIGHTING & PREVENTION SUPERVISORS	61002465	925	976	51	9	8	17
FIRE INSPECTORS	63002467	115	119	4	1	3	4
FIRE FIGHTERS	63008464	3,168	3,343	175	29	19	48
TOTALS		4,208	4,438	230	39	30	69

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
FIRE CONTROL AND SAFETY TECHNO	43.0201	0	0	23	0	0	0	0	0	0	0	23
FIREFIGHTING	43.0203	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	23	0	0	0	0	0	0	0	23

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
FIRE FIGHTING & PREVENTION SUPERVISORS	61002465	0
FIRE INSPECTORS	63002467	1
FIRE FIGHTERS	63008464	4
TOTAL		5

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0980 PHOTOGRAPHIC TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHOTOGRAPHERS	34023188	870	924	54	9	22	31
PHOTOGRAPHIC PROCESS WORKERS, PRECISION	89914721	86	90	4	1	2	3
PHOTOGRAPHIC PROCESSING MACHINE OPERATOR	92908846	438	436	-2	0	9	9
TOTALS		1,394	1,450	56	10	33	43

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
COMMERCIAL PHOTOGRAPHY.	48.0204	3	2	0	0	0	0	0	0	14	0	19
PHOTOGRAPHIC LABORATORY AND DA	48.0207	0	0	0	0	0	0	0	0	0	0	0
TOTALS		3	2	0	0	0	0	0	0	14	0	19

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHOTOGRAPHERS	34023188	8
PHOTOGRAPHIC PROCESS WORKERS, PRECISION	89914721	1
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS/TENDERS	92908846	6
TOTAL		15

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 0990 RADIO AND TELEVISION PRODUCTION

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* WRITERS AND EDITORS	34002197	82	86	4	1	3	4
* TECHNICAL WRITERS	34005196	25	26	1	0	1	2
* REPORTERS AND CORRESPONDENTS	34011194	219	232	13	2	7	9
BROADCAST NEWS ANALYSTS	34014193	134	142	8	1	4	5
ANNOUNCERS, RADIO AND T.V.	34017192	753	793	40	7	6	13
ANNOUNCERS, OTHER	34021263	10	10	0	0	0	0
CAMERA OPERATORS, TELEVISION & MOTION PI	34026187	156	169	13	2	4	6
BROADCAST TECHNICIANS	34028242	195	200	5	1	8	9
FILM EDITORS	34032266	22	23	1	0	1	1
TOTALS		1,596	1,681	85	14	34	49

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
RADIO/TELEVISION, GENERAL.	09.0701	0	0	0	74	0	0	8	0	0	0	82
MOTION PICTURE TECHNOLOGY.	10.0102	0	0	0	0	0	0	0	0	0	0	0
PHOTOGRAPHIC TECHNOLOGY.	10.0103	0	0	0	0	0	0	0	0	0	0	0
RADIO & TV PRODUCTION & BROADC	10.0104	0	0	3	0	0	0	0	0	0	0	3
SOUND RECORDING TECHNOLOGY.	10.0105	0	0	0	0	0	0	0	0	0	0	0
VIDEO TECHNOLOGY.	10.0106	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	3	74	0	0	8	0	0	0	85

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* WRITERS AND EDITORS	34002197	8
* TECHNICAL WRITERS	34005196	5
* REPORTERS AND CORRESPONDENTS	34011194	0
BROADCAST NEWS ANALYSTS	34014193	1
ANNOUNCERS, RADIO AND T.V.	34017192	10
ANNOUNCERS, OTHER	34021263	0
CAMERA OPERATORS, TELEVISION & MOTION PICTURE	34026187	1
BROADCAST TECHNICIANS	34028242	5
FILM EDITORS	34032266	0
TOTAL		30

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1000 MEDIA (MASS) COMMUNICATIONS

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	WRITERS AND EDITORS	34002197	1,147	1,204	57	9	47	57
*	TECHNICAL WRITERS	34005196	82	86	4	1	4	5
*	REPORTERS AND CORRESPONDENTS	34011194	618	654	36	6	19	25
	TOTALS		1,847	1,944	97	16	70	87

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
COMMUNICATIONS, GENERAL.	09.0101	0	0	20	113	43	0	30	0	0	0	206
JOURNALISM (MASS COMMUNICATION	09.0401	0	0	24	290	7	2	49	0	0	0	372
COMMUNICATION TECHNOLOGIES, OT	10.0199	0	0	27	0	0	0	0	0	0	0	27
TOTALS		0	0	71	403	50	2	79	0	0	0	605

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	WRITERS AND EDITORS	34002197	8
*	TECHNICAL WRITERS	34005196	5
*	REPORTERS AND CORRESPONDENTS	34011194	0
	TOTAL		13

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1010 COMMERCIAL ART

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ARTISTS & RELATED WORKERS	34035178	1,169	1,221	52	9	41	50
* DESIGNERS, EXCEPT INTERIOR DESIGNERS	34038181	1,185	1,257	72	12	42	54
DETAIL DESIGN DECORATORS & PAINTERS, PRE	89911723	135	139	4	1	3	4
TOTALS		2,489	2,617	128	22	86	108

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
COMMERCIAL ART.	48.0203	13	8	18	0	0	23	0	0	0	0	62
TOTALS		13	8	18	0	0	23	0	0	0	0	62

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ARTISTS & RELATED WORKERS	34035178	6
* DESIGNERS, EXCEPT INTERIOR DESIGNERS	34038181	21
DETAIL DESIGN DECORATORS & PAINTERS, PRECISION	89911723	2
TOTAL		29

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1020 GRAPHIC ARTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PROOFREADERS & COPY MARKERS	53911392	177	187	10	2	24	26
DATA KEYERS, COMPOSING	56021382	319	365	46	8	4	12
PRECISION ETCHERS AND ENGRAVERS	89128681	32	32	0	0	1	1
PRECISION COMPOSITOR, TYPESETTER	89702690	222	201	-21	-3	5	2
JOB PRINTERS	89705691	321	357	36	6	8	14
PRECISION LITHOGRAPHERS & PHOTOENGRAVING	89708692	286	322	36	6	1	7
ALL OTHER PRECISION PRINTING WORKERS	89799693	7	7	0	0	0	0
PRINTING PRESS MACHINE SETTER/OPER.	92510788	160	187	27	5	6	11
OFFSET LITHOGRAPHIC PRESS SETTERS & SET-	92512786	690	800	110	18	24	42
LETTERPRESS SETTERS & SET-UP OPERATORS	92515785	187	187	0	0	6	6
ALL OTHER PRINTING PRESS SETTERS & SET-U	92519790	218	224	6	1	7	8
PHOTOENGRAVING & LITHOGRAPHING PHOTOGRAP	92521793	149	160	11	2	1	3
SPEC. MAT. PRINTING MACHINE SETTERS & SE	92522797	41	47	6	1	0	1
SCREEN PRINTING MACHINE SETTERS & SET-UP	92524794	132	138	6	1	1	2
ALL OTHER PRINTING RELATED SETTERS & SET	92529799	79	82	3	1	1	2
TYPESETTING & COMPOSING MACHINE OPERATOR	92541795	243	239	-4	-1	6	5
PRINTING PRESS MACHINE OPERATORS & TENDE	92543789	872	969	97	16	29	45
PHOTOENGRAVING & LITHOGRAPHING MACHINE OP	92545792	82	89	7	1	0	1
ALL OTHER PRINTING, BINDING, REL.	92549798	172	182	10	2	2	4
ENGRAVING & PRINTING WORKERS, HAND	93951888	1	1	0	0	0	0
TOTALS		4,390	4,776	386	66	126	192

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
GRAPHIC & PRINTING COMMUNICATI	48.0201	57	38	21	0	0	0	0	0	0	0	116
COMPOSITION, MAKE-UP, AND TYPE	48.0205	0	0	0	0	0	0	0	0	0	0	0
LITHOGRAPHY, PHOTOGRAPHY, AND	48.0206	0	0	0	0	0	0	0	0	0	7	7
PRINTING PRESS OPERATIONS.	48.0208	0	0	0	0	0	0	0	0	0	0	0
SILK SCREEN MAKING AND PRINTIN	48.0209	0	0	0	0	0	0	0	0	0	0	0
PHOTOENGRAVING.	48.0210	0	0	0	0	0	0	0	0	0	0	0
TOTALS		57	38	21	0	0	0	0	0	0	7	123

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1020 GRAPHIC ARTS --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PROOFREADERS & COPY MARKERS	53911392	2
DATA KEYERS, COMPOSING	56021382	7
PRECISION ETCHERS AND ENGRAVERS	89128681	0
PRECISION COMPOSITOR, TYPESETTER	89702690	0
JOB PRINTERS	89705691	4
PRECISION LITHOGRAPHERS & PHOTOENGRAVING	89708692	1
ALL OTHER PRECISION PRINTING WORKERS	89799693	1
OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPS	92512786	14
LETTERPRESS SETTERS & SET-UP OPERATORS	92515785	0
ALL OTHER PRINTING PRESS SETTERS & SET-UP OPS	92519790	1
PHOTOENGRAVING & LITHOGRAPHING PHOTOGRAPHERS	92521793	2
SPEC. MAT. PRINTING MACHINE SETTERS & SET-UP OPS	92522797	5
SCREEN PRINTING MACHINE SETTERS & SET-UP OPERATORS	92524794	0
ALL OTHER PRINTING RELATED SETTERS & SET-UP OPS	92529799	1
TYPESETTING & COMPOSING MACHINE OPERATORS & TENDER	92541795	3
PRINTING PRESS MACHINE OPERATORS & TENDERS	92543789	4
PHOTENGRAVING & LITHOGRAPHING MACHINE OPS/TNDRS	92545792	2
ALL OTHER PRINTING, BINDING, REL.	92549798	1
ENGRAVING & PRINTING WORKERS, HAND	93951888	1
TOTAL		49

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1030 BOOKBINDING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
BOOKBINDERS	89711689	99	103	4	1	4	5
BINDERY MACHINE SETTERS & SET-UP OPERATO	92525783	157	169	12	2	2	4
BINDERY MACHINE OPERATORS	92546782	298	334	36	6	3	9
TOTALS		554	606	52	9	9	18

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
BOOKBINDING.	48.0202	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
BOOKBINDERS	89711689	0
BINDERY MACHINE SETTERS & SET-UP OPERATORS	92525783	1
BINDERY MACHINE OPERATORS	92546782	8
TOTAL		9

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1040 CHEMICAL ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CHEMICAL ENGINEERS	22114051	805	889	84	14	18	32
TOTALS		805	889	84	14	18	32

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CHEMICAL ENGINEERING.	14.0701	0	0	0	65	36	0	14	12	0	0	127
TOTALS		0	0	0	65	36	0	14	12	0	0	127

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CHEMICAL ENGINEERS	22114051	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1050 CIVIL ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CIVIL ENGINEERS, INCL. TRAFFIC	22121052	1,378	1,448	70	12	34	46
TOTALS		1,378	1,448	70	12	34	46

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CIVIL ENGINEERING.	14.0801	0	0	0	71	65	0	0	0	0	0	136
TOTALS		0	0	0	71	65	0	0	0	0	0	136

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CIVIL ENGINEERS, INCL. TRAFFIC	22121052	3
TOTAL		3

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1060 ELECTRICAL/ELECTRONICS ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ELECTRICAL & ELECTRONIC ENGINEERS	22126053	2,475	2,930	455	76	64	140
TOTALS		2,475	2,930	455	76	64	140

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ELECTRICAL, ELECTRONICS, AND C	14.1001	0	0	236	56	0	30	6	0	0	328
TOTALS		0	0	236	56	0	30	6	0	0	328

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ELECTRICAL & ELECTRONIC ENGINEERS	22126053	9
TOTAL		9

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1070 INDUSTRIAL ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
INDUSTRIAL ENGINEER, EXC. SAFETY	22128054	893	1,042	149	25	19	44
TOTALS		893	1,042	149	25	19	44

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INDUSTRIAL ENGINEERING.	14.1701	0	0	0	68	69	0	2	0	0	0	139
TOTALS		0	0	0	68	69	0	2	0	0	0	139

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
INDUSTRIAL ENGINEER, EXC. SAFETY	22128054	22
TOTAL		22

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1080 MECHANICAL ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MECHANICAL ENGINEERS	22135055	2,207	2,571	364	61	44	105
TOTALS		2,207	2,571	364	61	44	105

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MECHANICAL ENGINEERING.	14.1901	0	0	0	160	39	0	26	1	0	0	226
TOTALS		0	0	0	160	39	0	26	1	0	0	226

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MECHANICAL ENGINEERS	22135055	11
TOTAL		11

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1090 METALLURGICAL AND MINING ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
METALLURGIST AND RELATED ENGINEER	22105056	167	197	30	5	3	8
MINING ENGINEERS, INCL. SAFETY	22108057	429	453	24	4	26	30
TOTALS		596	650	54	9	29	38

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
METALLURGICAL ENGINEERING.	14.2001	0	0	0	1	1	0	0	0	0	0	2
TOTALS		0	0	0	1	1	0	0	0	0	0	2

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
METALLURGIST AND RELATED ENGINEER	22105056	1
MINING ENGINEERS, INCL. SAFETY	22108057	2
TOTAL		3

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1100 AGRICULTURAL ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AGRICULTURAL ENGINEER	22123061	11	11	0	0	0	0
TOTALS		11	11	0	0	0	0

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
AGRICULTURAL ENGINEERING.	14.0301	0	0	0	9	9	0	0	0	0	0	18
TOTALS		0	0	0	9	9	0	0	0	0	0	18

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AGRICULTURAL ENGINEER	22123061	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1110 PETROLEUM ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PETROLEUM ENGINEERS	22111059	2,221	2,404	183	31	57	88
TOTALS		2,221	2,404	183	31	57	88

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PETROLEUM ENGINEERING.	14.2501	0	0	0	61	5	0	84	14	0	0	164
TOTALS		0	0	0	61	5	0	84	14	0	0	164

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PETROLEUM ENGINEERS	22111059	28
TOTAL		28

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1115 AERONAUTICAL AND ASTRONAUTICAL ENGINEERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AERONAUTICAL AND ASTRO. ENGINEERS	22102050	345	369	24	4	11	15
TOTALS		345	369	24	4	11	15

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
AEROSPACE, AERONAUTICAL, & AST	14.0201	0	0	0	55	1	0	0	0	0	0	56
TOTALS		0	0	0	55	1	0	0	0	0	0	56

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AERONAUTICAL AND ASTRO. ENGINEERS	22102050	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1120 ENGINEERING, OTHER

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SAFETY ENGINEER, EXC. MINING	22132065	286	300	14	2	6	8
MARINE ENGINEERS	22138064	9	10	1	0	1	1
ALL OTHER ENGINEERS	22199066	628	644	16	3	28	31
TOTALS		923	954	31	5	35	40

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ENGINEERING, GENERAL.	14.0101	0	0	0	325	1	0	0	0	0	0	326
ARCHITECTURAL ENGINEERING.	14.0401	0	0	0	2	1	0	0	0	0	0	3
ENGINEERING PHYSICS.	14.1201	0	0	0	11	4	0	6	0	0	0	21
ENVIRONMENTAL HEALTH ENGINEERI	14.1401	0	0	0	7	23	0	0	0	0	0	30
GEOLOGICAL ENGINEERING.	14.1501	0	0	0	2	0	0	0	0	0	0	2
MATERIALS ENGINEERING.	14.1801	0	0	0	4	0	0	0	0	0	0	4
NUCLEAR ENGINEERING.	14.2301	0	0	0	0	3	0	0	0	0	0	3
ENGINEERING, OTHER.	14.9999	0	0	0	3	0	0	6	0	0	0	9
TOTALS		0	0	0	354	32	0	12	0	0	0	398

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SAFETY ENGINEER, EXC. MINING	22132065	1
MARINE ENGINEERS	22138064	0
ALL OTHER ENGINEERS	22199066	0
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1130 DRAFTING, DESIGN, AND ENGINEERING TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* COST ESTIMATORS	21902028	725	838	113	19	28	47
MECHANICAL ENGINEERING TECHNICIANS & TEC	22511227	402	430	28	5	4	9
DRAFTERS	22514230	3,767	3,988	221	37	73	110
ESTIMATORS & DRAFTERS, UTILITIES	22517231	34	36	2	0	1	1
TOTALS		4,928	5,292	364	61	106	167

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
ARCHITECTURAL DESIGN AND CONST	15.0101	0	0	21	0	0	0	0	0	0	0	21
DRAFTING AND DESIGN TECHNOLOGY	15.0202	0	0	79	9	0	52	0	0	0	0	140
MECHANICAL DESIGN TECHNOLOGY.	15.0805	0	0	114	0	0	0	0	0	0	0	114
DRAFTING, GENERAL.	48.0101	35	31	0	0	0	0	0	0	0	7	73
ARCHITECTURAL DRAFTING.	48.0102	0	0	0	0	0	0	0	0	0	0	0
CIVIL/STRUCTURAL DRAFTING.	48.0103	0	0	0	0	0	0	0	0	0	0	0
ELECTRICAL/ELECTRONICS DRAFTIN	48.0104	0	0	0	0	0	0	0	0	0	0	0
MECHANICAL DRAFTING.	48.0105	0	0	0	0	0	0	0	0	0	0	0
TOTALS		35	31	214	9	0	52	0	0	0	7	348

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* COST ESTIMATORS	21902028	6
MECHANICAL ENGINEERING TECHNICIANS & TECHNOLOGISTS	22511227	3
DRAFTERS	22514230	34
ESTIMATORS & DRAFTERS, UTILITIES	22517231	1
TOTAL		44

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1140 CIVIL ENGINEERING TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SURVEYING AND MAPPING SCIENTIST	22311070	443	455	12	2	21	23
CIVIL ENGINEERING TECHNICIANS	22502224	661	690	29	5	16	21
SURVEYING & MAPPING TECHNICIANS & TECHNO	22521071	402	411	9	2	11	13
TRAFFIC TECHNICIANS	39005260	262	275	13	2	5	7
TOTALS		1,768	1,831	63	11	53	64

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CIVIL TECHNOLOGY.	15.0201	0	0	3	0	0	0	0	0	0	0	3
SURVEYING AND MAPPING TECHNOLO	15.0203	0	0	5	6	0	0	0	0	0	0	11
TOTALS		0	0	8	6	0	0	0	0	0	0	14

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SURVEYING AND MAPPING SCIENTIST	22311070	9
CIVIL ENGINEERING TECHNICIANS	22502224	1
SURVEYING & MAPPING TECHNICIANS & TECHNOLOGISTS	22521071	6
TRAFFIC TECHNICIANS	39005260	0
TOTAL		16

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1150 URBAN PLANNING TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
URBAN AND REGIONAL PLANNERS	27105100	77	79	2	0	1	1
TOTALS		77	79	2	0	1	1

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CITY, COMMUNITY, AND REGIONAL	04.0301	0	0	0	0	7	0	0	0	0	0	7
URBAN PLANNING TECHNOLOGY.	15.0204	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	7	0	0	0	0	0	7

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
URBAN AND REGIONAL PLANNERS	27105100	0
TOTAL		0

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1160 ELECTRICAL/ELECTRONICS TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ELECTRICAL & ELECTRONIC TECHNICIANS/TECH	22505222	2,524	2,920	396	66	48	114
* ALL OTHER ENGINEERING TECHNICIANS & TECH	22599228	55	57	2	0	1	2
* PRECISION INSPEC., TESTERS & GRADERS	83002713	253	265	12	2	9	11
TOTALS		2,832	3,242	410	68	58	127

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
COMPUTER TECHNOLOGY.	15.0301	0 0	0	0	0	0	0	0	0	1	1
ELECTRICAL TECHNOLOGY.	15.0302	0 0	0	0	0	3	0	0	0	0	3
ELECTRONIC TECHNOLOGY.	15.0303	0 0	273	0	0	439	0	0	0	0	712
AVIONICS.	47.0120	0 8	0	0	0	0	0	0	0	0	8
TOTALS		0 8	273	0	0	442	0	0	0	1	724

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ELECTRICAL & ELECTRONIC TECHNICIANS/TECHNOLOGISTS	22505222	17
* ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	22599228	8
* PRECISION INSPEC., TESTERS & GRADERS	83002713	56
TOTAL		81

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1170 ELECTRICAL/ELECTRONICS EQUIPMENT REPAIR TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	131	141	10	2	3	5
DATA PROCESSING EQUIPMENT REPAIRERS	85705606	223	248	25	4	4	8
ELECTRONICS REPAIRERS, COMMERCIAL & INDU	85717609	815	886	71	12	27	39
OFFICE MACHINE & CASH REGISTER SERVICERS	85926651	634	648	14	2	7	9
ELECTRONIC SEMICONDUCTOR PROCESSORS	92902832	117	106	-11	-2	1	-1
* ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLER	93114859	2,166	2,364	198	33	50	83
* ELECTRICAL & ELECTRONIC ASSEMBLERS	93905871	1,394	1,521	127	21	26	47
COIL WINDERS, TAPERS & FINISHERS	93908869	95	102	7	1	2	3
TOTALS		5,575	6,016	441	73	120	193

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
COMPUTER SERVICING TECHNOLOGY.	15.0402	0	0	0	0	0	0	0	0	0	0	0
BUSINESS MACHINE REPAIR.	47.0102	0	0	0	0	0	0	0	0	0	0	0
COMPUTER ELECTRONICS.	47.0104	7	23	37	0	0	0	0	0	1	0	68
INDUSTRIAL ELECTRONICS.	47.0105	19	17	0	0	0	0	0	0	0	0	36
TOTALS		26	40	37	0	0	0	0	0	1	0	104

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
DATA PROCESSING EQUIPMENT REPAIRERS	85705606	52
ELECTRONICS REPAIRERS, COMMERCIAL & INDUS. EQUIP.	85717609	52
OFFICE MACHINE & CASH REGISTER SERVICERS	85926651	0
ELECTRONIC SEMICONDUCTOR PROCESSORS	92902832	2
* ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS, PRECISN	93114859	1
* ELECTRICAL & ELECTRONIC ASSEMBLERS	93905871	120
COIL WINDERS, TAPERS & FINISHERS	93908869	0
TOTAL		337

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1180 ELECTROMECHANICAL TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	172	185	13	2	4	7
PRECISION INSTRUMENT REPAIRERS	85905652	626	677	51	9	78	87
MECHANICAL CONTROL & VALVE INSTALLERS/RE	85928658	1,508	1,556	48	8	29	37
ELECTROMECHANICAL EQUIP. ASSEMBLERS, PRE	93111860	281	319	38	6	5	11
TOTALS		2,587	2,737	150	25	116	142

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ELECTROMECHANICAL TECHNOLOGY.	15.0403	0	0	19	0	0	0	0	0	0	0	19
INSTRUMENTATION TECHNOLOGY.	15.0404	0	0	10	0	0	0	0	0	0	0	10
ROBOTICS TECHNOLOGY.	15.0405	0	0	0	0	0	0	0	0	0	0	0
ELECTROMECHANICAL, HYDRAULIC,	47.0401	1	9	0	0	0	0	0	0	0	0	10
TOTALS		1	9	29	0	0	0	0	0	0	0	39

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
PRECISION INSTRUMENT REPAIRERS	85905652	11
MECHANICAL CONTROL & VALVE INSTALLERS/REPAIRERS	85928658	3
ELECTROMECHANICAL EQUIP. ASSEMBLERS, PRECISION	93111860	2
TOTAL		126

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1190 HEATING, COOLING AND REFRIGERATION TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
HEATING, A/C & REFRIGERATION MECHANICS/I	85902646	2,307	2,673	366	61	66	127
SHEET METAL DUCT INSTALLERS	87805573	18	20	2	0	0	0
COOLING, FREEZING EQUIP. OPERATOR	92928853	31	32	1	0	0	0
TOTALS		2,356	2,725	369	61	66	127

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
AIR COND., HEATING, AND REFRIG	15.0501	0	0	0	0	0	0	0	0	0	0	0
AIR CONDITIONING & REFRIGERATI	47.0201	55	86	58	0	0	0	0	0	92	0	291
COOLING AND REFRIGERATION.	47.0202	0	0	0	0	0	0	0	0	0	0	0
HEATING AND AIR CONDITIONING.	47.0203	0	0	0	0	0	0	0	0	42	7	49
TOTALS		55	86	58	0	0	0	0	0	134	7	340

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
HEATING, A/C & REFRIGERATION MECHANICS/INSTALLERS	85902646	69
SHEET METAL DUCT INSTALLERS	87805573	483
COOLING, FREEZING EQUIP. OPERATOR	92928853	1
TOTAL		553

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1200 BIOMEDICAL EQUIPMENT TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ELECTROMEDICAL & BIOMEDICAL EQUIPMENT RE	85908644	173	188	15	3	22	25
TOTALS		173	188	15	3	22	25

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
BIOMEDICAL EQUIPMENT TECHNOLOG	15.0401	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	85908644	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1210 OPTICÁL TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
OPTICAL GOODS WORKERS, PRECISION	89917720	127	127	0	0	3	3
TOTALS		127	127	0	0	3	3

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
OPTICAL TECHNOLOGY.	15.0606	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
OPTICAL GOODS WORKERS, PRECISION	89917720	5
TOTAL		5

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1220 STATIONARY ENGINEERING TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MACHINERY MAINTENANCE MECHANICS, WATER/P	85118620	1,198	1,265	67	11	30	41
POWERHOUSE, SUBSTATION, & RELAY ELECTRIC	85721661	208	218	10	2	7	9
POWER GEN. PLANT OPERATORS, EXC. AUXIL.	95021896	240	249	9	2	4	6
AUXILIARY EQUIPMENT OPERATORS, POWER	95023906	220	229	9	2	3	5
POWER DISTRIBUTORS & DISPATCHERS	95028894	360	378	18	3	5	8
* ALL OTHER PLANT AND SYSTEM OCCUPATIONS	95099907	549	578	29	5	20	25
TOTALS		2,775	2,917	142	25	69	94

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
STATIONARY ENERGY SOURCES, GEN	47.0501	0	0	0	0	0	0	0	0	0	0	0
CONVENTIONAL ELECTRIC POWER GE	47.0502	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MACHINERY MAINTENANCE MECHANICS, WATER/POWER	85118620	0
POWERHOUSE, SUBSTATION, & RELAY ELECTRICIAN	85721661	1
POWER GEN. PLANT OPERATORS, EXC. AUXIL. EQUIP.	95021896	1
AUXILIARY EQUIPMENT OPERATORS, POWER	95023906	0
POWER DISTRIBUTORS & DISPATCHERS	95028894	0
* ALL OTHER PLANT AND SYSTEM OCCUPATIONS	95099907	7
TOTAL		9

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1230 WASTE AND WASTEWATER TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
WATER & LIQUID WASTE TREATMENT PLANT & S	95002904	1,155	1,223	68	11	59	70
TOTALS		1,155	1,223	68	11	59	70

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
SANITATION TECHNOLOGY.	15.0504	0	0	2	0	0	0	0	0	0	0	2
WATER AND WASTEWATER TECHNOLOG	15.0506	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	2	0	0	0	0	0	0	0	2

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
WATER & LIQUID WASTE TREATMENT PLANT & SYSTEM OPS	95002904	9
TOTAL		9

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1240 CHEMICAL TECHNOLOGY

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	CHEMICAL TECHNICIANS & TECHNOLOGISTS, EX	24505236	688	746	58	10	13	22
	CHEMICAL EQUIPMENT CONTROLLERS & OPERATO	92935822	165	196	31	5	2	7
	CHEMICAL EQUIPMENT TENDER	92938823	71	90	19	3	1	4
	CHEMICAL PLANT & SYSTEM OPERATORS	95008892	178	199	21	4	7	11
*	ALL OTHER PLANT AND SYSTEM OCCUPATIONS	95099907	549	578	29	5	20	25
	TOTALS		1,651	1,809	158	27	43	69

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CHEMICAL TECHNOLOGY.	41.0301	0	0	0	0	0	0	0	0	0	0	0
CHEMICAL MANUFACTURING	80.0101	2	1	0	0	0	0	0	0	0	0	3
TOTALS		2	1	0	0	0	0	0	0	0	0	3

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	24505236	7
	CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS	92935822	1
	CHEMICAL EQUIPMENT TENDER	92938823	2
	CHEMICAL PLANT & SYSTEM OPERATORS	95008892	0
*	ALL OTHER PLANT AND SYSTEM OCCUPATIONS	95099907	7
	TOTAL		17

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1250 INDUSTRIAL TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
INDUSTRIAL PRODUCTION MANAGERS	15014019	1,811	1,986	175	29	81	110
* COST ESTIMATORS	21902028	443	512	69	12	17	29
INDUSTRIAL ENGINEERING TECHNICIANS & TEC	22508226	1,937	1,937	0	0	10	10
TOTALS		4,191	4,435	244	41	108	149

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INDUSTRIAL TECHNOLOGY.	15.0603	0	0	10	0	0	0	0	0	0	0	10
TOTALS		0	0	10	0	0	0	0	0	0	0	10

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
INDUSTRIAL PRODUCTION MANAGERS	15014019	54
* COST ESTIMATORS	21902028	6
INDUSTRIAL ENGINEERING TECHNICIANS & TECHNOLOGISTS	22508226	0
TOTAL		60

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1260 QUALITY CONTROL TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* PRECISION INSPEC., TESTERS & GRADERS	83002713	663	695	32	5	23	28
* PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	1,613	1,734	121	20	42	62
TOTALS		2,276	2,429	153	25	65	90

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
QUALITY CONTROL TECHNOLOGY.	15.0702	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* PRECISION INSPEC., TESTERS & GRADERS	83002713	56
* PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
TOTAL		166

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1270 OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
COMPLIANCE & ENFORCEMENT INSPECTORS, EXC	21911026	1,259	1,321	62	10	45	55
TOTALS		1,259	1,321	62	10	45	55

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
OCCUPATIONAL SAFETY AND HEALTH	15.0701	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONSTR.	21911026	10
TOTAL		10

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1280 MINING TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MINING AND RELATED MANAGERS	15021021	800	849	49	8	35	43
TOTALS		800	849	49	8	35	43

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
COAL MINING TECHNOLOGY.	15.0901	0	0	0	0	0	0	0	0	0	0	0
MINING (EXCLUDING COAL) TECHNO	15.0902	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MINING AND RELATED MANAGERS	15021021	11
TOTAL		11

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1290 PETROLEUM TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PETROLEUM TECHNICIANS & TECHNOLOGISTS	24511233	703	736	33	6	9	15
SERVICE UNIT OPERATORS	87917582	1,542	1,623	81	14	21	35
PETROLEUM REFINERY & CONTROL PANEL OPERA	95014900	316	330	14	2	11	13
TOTALS		2,561	2,689	128	22	41	63

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PETROLEUM TECHNOLOGY.	15.0903	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PETROLEUM TECHNICIANS & TECHNOLOGISTS	24511233	13
SERVICE UNIT OPERATORS	87917582	5
PETROLEUM REFINERY & CONTROL PANEL OPERATORS	95014900	6
TOTAL		24

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1300 OTHER SCIENCE/ENGINEERING TECHNOLOGIES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* ALL OTHER ENGINEERING TECHNICIANS & TECH	22599228	2,445	2,551	106	18	59	77
ALL OTHER SCIENCE TECHNICIANS & TECHNOLO	24599234	218	224	6	1	3	4
TOTALS		2,663	2,775	112	19	62	81

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
GEOLOGICAL TECHNOLOGY.	41.0302	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	22599228	8
ALL OTHER SCIENCE TECHNICIANS & TECHNOLOGISTS	24599234	12
TOTAL		20

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1310 BIOLOGICAL AND AGRICULTURAL TECHNOLOGY

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL,	24502235	246	257	11	2	5	7
	TOTALS		246	257	11	2	5	7

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL, EXC. HLTH	24502235	0
	TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1320 TEXTILE TECHNOLOGY

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
TEXTILE TECHNOLOGY.	15.0609	0	0	7	0	0	0	0	0	0	0	7
TOTALS		0	0	7	0	0	0	0	0	0	0	7

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1330 AERONAUTICAL TECHNOLOGY

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	ALL OTHER ENGINEERING TECHNICIANS & TECH	22599228	70	73	3	1	2	2
*	PRECISION INSPEC., TESTERS & GRADERS	83002713	612	642	30	5	21	26
	TOTALS		682	715	33	6	23	28

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
AERONAUTICAL TECHNOLOGY.	15.0801	0	0	7	0	0	1,045	0	0	0	0	1,052
TOTALS		0	0	7	0	0	1,045	0	0	0	0	1,052

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	22599228	8
*	PRECISION INSPEC., TESTERS & GRADERS	83002713	56
	TOTAL		64

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1340 AIRCRAFT PILOTING AND NAVIGATION

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AIRCRAFT PILOTS & FLIGHT ENGINEERS	97702910	394	414	20	3	7	10
TOTALS		394	414	20	3	7	10

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AIRCRAFT PILOTS & FLIGHT ENGINEERS	97702910	8
TOTAL		8

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1350 AIR TRAFFIC CONTROL

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AIR TRAFFIC CONTROLLERS	39002241	506	528	22	4	7	11
TOTALS		506	528	22	4	7	11

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
AIR TRAFFIC CONTROL.	49.0105	0	0	1,380	0	0	0	0	0	0	0	1,380
TOTALS		0	0	1,380	0	0	0	0	0	0	0	1,380

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AIR TRAFFIC CONTROLLERS	39002241	4
TOTAL		4

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1360 TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CONSTRUCTION MANAGERS	15017016	1,600	1,806	206	34	72	106
1ST LINE SUPERVISORS: MECHANICS/INSTALLR	81002533	5,386	5,698	312	52	172	224
1ST LINE SUPERVISORS: CONSTR/TRDS/EXTRAC	81005529	8,732	9,270	538	90	316	406
* 1ST LINE SUPERVISORS: PRODUCTION & OPERA	81008530	6,021	6,468	447	74	80	155
1ST LINE SUPERVISORS: TRANS/MATERIAL MOV	81011534	993	1,030	37	6	40	46
1ST LINE SUPERVISORS: HELP, LABORERS	81017532	933	989	56	9	52	61
ALL OTHER FIRST LINE SUPERVISORS	81099531	2,139	2,227	88	15	74	89
TOTALS		25,804	27,488	1,684	280	806	1,087

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
TRADE AND INDUSTRIAL SUPERVISI	06.2001	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CONSTRUCTION MANAGERS	15017016	67
1ST LINE SUPERVISORS: MECHANICS/INSTALLRS/REPAIRER	81002533	35
1ST LINE SUPERVISORS: CONSTR/TRDS/EXTRACTIVE WKRS	81005529	85
* 1ST LINE SUPERVISORS: PRODUCTION & OPERATIVE WKRS	81008530	107
1ST LINE SUPERVISORS: TRANS/MATERIAL MOV/VEHICLE	81011534	12
1ST LINE SUPERVISORS: HELP, LABORERS	81017532	1
TOTAL		307

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1370 AUTOMOTIVE SERVICE TECHNOLOGY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AUTOMOTIVE MECHANICS	85302632	9,542	9,936	394	66	305	371
* ELECTRICAL INSTALLERS & REPAIRERS, TRANS	85728613	235	243	8	1	7	8
TIRE REPAIRERS & CHANGERS	85953654	1,326	1,391	65	11	51	62
ALL OTHER MECHANICS, INSTALLERS	85999663	1,876	1,966	90	15	73	88
VEHICLE, EQUIPMENT CLEANERS	98905987	2,205	2,277	72	12	62	74
TOTALS		15,184	15,813	629	105	498	603

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
AUTOMOTIVE TECHNOLOGY.	15.0803	0	0	139	0	0	0	0	0	32	0	171
AUTOMOTIVE MECHANICS.	47.0604	344	103	0	0	0	0	0	0	326	41	814
TOTALS		344	103	139	0	0	0	0	0	358	41	985

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AUTOMOTIVE MECHANICS	85302632	177
* ELECTRICAL INSTALLERS & REPAIRERS, TRANS. EQUIP.	85728613	0
TIRE REPAIRERS & CHANGERS	85953654	12
ALL OTHER MECHANICS, INSTALLERS	85999663	4
VEHICLE, EQUIPMENT CLEANERS	98905987	31
TOTAL		224

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1380 AUTOMOTIVE BODY REPAIR

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AUTOMOTIVE BODY & RELATED REPAIRERS	85305631	2,471	2,509	38	6	55	61
PAINTERS, TRANSPORTATION EQUIPMENT	92947844	374	351	-23	-4	6	2
TOTALS		2,845	2,860	15	2	61	63

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
AUTOMOTIVE BODY REPAIR.	47.0603	149	42	0	0	0	0	0	0	182	0	373
TOTALS		149	42	0	0	0	0	0	0	182	0	373

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AUTOMOTIVE BODY & RELATED REPAIRERS	85305631	45
PAINTERS, TRANSPORTATION EQUIPMENT	92947844	23
TOTAL		68

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1390 AIRCRAFT MECHANICS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AIRCRAFT MECHANICS	85323630	3,427	3,633	206	34	132	166
AIRCRAFT ENGINE SPECIALISTS	85326629	1,595	1,694	99	17	55	72
* ELECTRICAL INSTALLERS & REPAIRERS, TRANS	85728613	234	242	8	1	7	8
AIRCRAFT STRUCTURE ASSEMBLY	93102858	905	860	-45	-7	15	8
TOTALS		6,161	6,429	268	45	209	254

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
AIRCRAFT MECHANICS, GENERAL.	47.0602	10	28	0	0	0	0	0	0	0	0	38
AIRCRAFT MECHANICS, AIRFRAME.	47.0607	6	27	0	0	0	0	0	0	0	0	33
AIRCRAFT MECHANICS, POWERPLANT	47.0608	0	17	0	0	0	0	0	0	0	0	17
TOTALS		16	72	0	0	0	0	0	0	0	0	88

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AIRCRAFT MECHANICS	85323630	54
AIRCRAFT ENGINE SPECIALISTS	85326629	0
* ELECTRICAL INSTALLERS & REPAIRERS, TRANS. EQUIP.	85728613	0
AIRCRAFT STRUCTURE ASSEMBLY	93102858	46
TOTAL		100

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1400 DIESEL ENGINE MECHANICS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
BUS & TRUCK MECHANICS & DIESEL ENGINE SP	85311633	2,735	2,925	190	32	70	102
TOTALS		2,735	2,925	190	32	70	102

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
DIESEL ENGINE MECHANICS.	47.0605	114	79	91	0	0	0	0	0	0	16	300
TOTALS		114	79	91	0	0	0	0	0	0	16	300

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS	85311633	54
TOTAL		54

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1410 SMALL ENGINE MECHANICS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MOTORCYCLE REPAIRERS	85308636	141	133	-8	-1	6	5
SMALL ENGINE SPECIALISTS	85328638	462	490	28	5	22	27
TOTALS		603	623	20	4	28	32

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
SMALL ENGINE REPAIR.	47.0606	36	15	0	0	0	0	0	0	0	0	51
TOTALS		36	15	0	0	0	0	0	0	0	0	51

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MOTORCYCLE REPAIRERS	85308636	3
SMALL ENGINE SPECIALISTS	85328638	14
TOTAL		17

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1420 COMMUNICATIONS ELECTRONICS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
RADIO OPERATORS	39008258	295	305	10	2	12	14
CENTRAL OFFICE & PBX INSTALLERS & REPAIR	85502598	584	556	-28	-5	18	13
FRAME WIRERS, CENTRAL OFFICE	85505599	140	134	-6	-1	4	3
TELEGRAPH & TELETYPE INSTALLERS & REPAIR	85508603	3	3	0	0	0	0
RADIO MECHANICS	85514600	10	10	0	0	0	0
ALL OTHER COMMUN. EQUIP. MECHANICS/INSTA	85599604	513	524	11	2	17	19
HOME ENTERTAINMENT EQUIP. REPAIRERS	85708608	313	326	13	2	14	16
TELEPHONE STATION INSTALL. & REPAIR	85726610	180	164	-16	-3	3	0
CAMERA & PHOTOGRAPHIC EQUIPMENT REPAIRER	85914641	18	21	3	1	2	3
MOTION PICTURE PROJECTIONISTS	92905838	104	111	7	1	10	11
* ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLER	93114859	2,166	2,364	198	33	50	83
* ELECTRICAL & ELECTRONIC ASSEMBLERS	93905871	1,394	1,521	127	21	26	47
TOTALS		5,720	6,039	319	53	156	209

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
COMMUNICATIONS ELECTRONICS.	47.0103	6	3	33	0	0	0	0	0	2	0	44
OPERATION, MAINT. & REPAIR OF	47.0405	0	0	0	0	0	0	0	0	0	0	0
TOTALS		6	3	33	0	0	0	0	0	2	0	44

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
RADIO OPERATORS	39008258	4
CENTRAL OFFICE & PBX INSTALLERS & REPAIRERS	85502598	7
FRAME WIRERS, CENTRAL OFFICE	85505599	0
TELEGRAPH & TELETYPE INSTALLERS & REPAIRERS	85508603	1
RADIO MECHANICS	85514600	4
ALL OTHER COMMUN. EQUIP. MECHANICS/INSTALLRS/RPRS	85599604	2
HOME ENTERTAINMENT EQUIP. REPAIRERS	85708608	2
TELEPHONE STATION INSTALL. & REPAIR	85726610	1
CAMERA & PHOTOGRAPHIC EQUIPMENT REPAIRERS	85914641	0
MOTION PICTURE PROJECTIONISTS	92905838	0
* ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS, PRECISN	93114859	1
* ELECTRICAL & ELECTRONIC ASSEMBLERS	93905871	120
TOTAL		142

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1430 APPLIANCE REPAIR

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MACHINERY MAINTENANCE MECHANICS, SEWING	85113618	129	118	-11	-2	3	1
ELECTRIC HOME APPLIANCE & POWER TOOL REP	85711648	803	859	56	9	42	51
ELECTRIC MOTOR, TRANSFORMER & RELATED RE	85714614	226	246	20	3	7	10
ALL OTHER ELECTRIC., ELECTRO. MECH.	85799662	403	439	36	6	12	18
GAS APPLIANCE REPAIRERS	85944649	131	137	6	1	5	6
COIN & VENDING MACHINE SERVICERS & REPAI	85947642	286	298	12	2	11	13
TOTALS		1,978	2,097	119	19	80	99

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
ELECTRICAL EQUIPMENT REPAIR, G	47.0101	55	111	0	0	0	0	0	0	107	0	273
MAJOR APPLIANCE REPAIR.	47.0106	4	0	0	0	0	0	0	0	0	0	4
MOTOR REPAIR.	47.0107	0	0	0	0	0	0	0	0	0	0	0
SMALL APPLIANCE REPAIR.	47.0108	0	0	0	0	0	0	0	0	0	0	0
VENDING AND RECREATIONAL MACHI	47.0109	0	0	0	0	0	0	0	0	0	0	0
TOTALS		59	111	0	0	0	0	0	0	107	0	277

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MACHINERY MAINTENANCE MECHANICS, SEWING MACHINE	85113618	1
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	85711648	13
ELECTRIC MOTOR, TRANSFORMER & RELATED REPAIRERS	85714614	4
ALL OTHER ELECTRIC., ELECTRO. MECH.	85799662	0
GAS APPLIANCE REPAIRERS	85944649	2
COIN & VENDING MACHINE SERVICERS & REPAIRERS	85947642	1
TOTAL		21

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1440 HEAVY EQUIPMENT MAINTENANCE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MOBILE HEAVY EQUIPMENT MECHANICS, EXC. E	85314635	1,107	1,213	106	18	43	61
RAIL CAR REPAIRERS	85317637	60	57	-3	0	2	2
TOTALS		1,167	1,270	103	18	45	63

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
HEAVY EQUIPMENT MAINTENANCE AN	47.0302	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MOBILE HEAVY EQUIPMENT MECHANICS, EXC. ENGINE	85314635	21
RAIL CAR REPAIRERS	85317637	0
TOTAL		21

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1450 INDUSTRIAL MAINTENANCE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MACHINERY MAINTENANCE MECHANICS, TEXTILE	85112619	13	14	1	0	0	0
ALL OTHER MACHINERY MAINTENANCE MECHANIC	85119622	3,200	3,391	191	32	81	113
MILLWRIGHTS	85123626	480	559	79	13	14	27
MACHINERY MAINTENANCE WORKERS	85128623	843	892	49	8	20	28
ELEVATOR INSTALLERS & REPAIRERS	85932645	48	55	7	1	0	1
TEXTILE MACHINE SETTERS & SET-UP OPERATO	92702809	23	24	1	0	1	1
MACHINE BUILDERS & OTHR PRECISION MACHIN	93105862	677	754	77	13	12	25
TOTALS		5,284	5,689	405	67	128	195

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
INDUSTRIAL MACHINERY MAINTENAN	47.0303	8	34	0	0	0	0	0	0	0	0	42
MINE EQUIPMENT MAINTENANCE AND	47.0304	0	0	0	0	0	0	0	0	0	0	0
TOTALS		8	34	0	0	0	0	0	0	0	0	42

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES	85112619	0
ALL OTHER MACHINERY MAINTENANCE MECHANICS	85119622	75
MILLWRIGHTS	85123626	39
MACHINERY MAINTENANCE WORKERS	85128623	15
ELEVATOR INSTALLERS & REPAIRERS	85932645	5
TEXTILE MACHINE SETTERS & SET-UP OPERATORS	92702809	1
MACHINE BUILDERS & OTHR PRECISION MACHINE ASSMBLRS	93105862	10
TOTAL		145

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1460 ELECTRICIAN OCCUPATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
TEL. & CABLE TV LINE INSTALLERS & REPAIR	85702611	1,748	1,645	-103	-17	17	0
ELECTRICAL POWERLINE INSTALLERS & REPAIR	85723607	1,361	1,496	135	23	36	59
ELECTRIC METER INSTALLERS & REPAIRERS	85911643	623	654	31	5	77	82
ELECTRICIANS	87202549	4,715	5,568	853	142	138	280
HELPERS, ELECTRICAL AND POWERLINE TRANSM	98313980	515	655	140	23	15	38
TOTALS		8,962	10,018	1,056	176	283	459

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
ELECTRICAL & POWER TRANSMISSIO	46.0301	0	0	0	0	0	0	0	0	0	0	0
ELECTRICIAN.	46.0302	73	53	0	0	0	0	0	0	10	29	165
LINEWORKER.	46.0303	0	15	0	0	0	0	0	0	0	0	15
TOTALS		73	68	0	0	0	0	0	0	10	29	180

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
TEL. & CABLE TV LINE INSTALLERS & REPAIRERS	85702611	7
ELECTRICAL POWERLINE INSTALLERS & REPAIRERS	85723607	33
ELECTRIC METER INSTALLERS & REPAIRERS	85911643	1
ELECTRICIANS	87202549	209
HELPERS, ELECTRICAL AND POWERLINE TRANSM. INSTALL.	98313980	39
TOTAL		289

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1470 CONSTRUCTION AND BUILDING TRADES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CONSTRUCTION & BUILDING INSPECTORS	21908027	622	640	18	3	56	59
CARPENTERS	87102541	10,046	10,605	559	93	344	437
CEILING TILE INSTALLERS & ACOUSTICAL CAR	87105543	191	241	50	8	7	15
DRYWALL INSTALLERS	87108546	796	890	94	16	9	25
TAPERS	87111547	236	292	56	9	3	12
LATHERS	87114548	53	66	13	2	1	3
CONCRETE & TERRAZZO FINISHERS	87311544	1,386	1,555	169	28	30	58
REINFORCING METAL WORKERS	87314563	190	213	23	4	3	7
PLASTERERS	87317559	104	122	18	3	3	6
PAINTERS & PAPERHANGERS,CONSTRUCTION & M	87402554	4,119	4,407	288	48	162	210
CARPET INSTALLERS	87602542	603	650	47	8	11	19
FLOOR LAYERS, EXC. CARPET, WOOD & HARD T	87605568	108	117	9	2	1	3
FLOOR SANDING MACHINE OPERATORS	87608569	32	35	3	1	1	2
INSULATION WORKERS	87802553	549	674	125	21	8	29
ROOFERS	87808561	1,651	1,883	232	39	20	59
GLAZIERS	87811550	469	547	78	13	9	22
FENCE ERECTORS	87817574	227	273	46	8	5	13
ALL OTHER CONSTRUCTION TRADES WORKERS	87899575	973	1,038	65	11	21	32
GLAZIERS, MANUFACTURING	93911883	35	40	5	1	1	2
CARPET CUTTERS, DIAGRAMMERS & SEAMERS	93932887	8	9	1	0	0	0
HELPERS, CARPENTERS & RELATED	98312979	1,406	1,536	130	22	37	59
HELPERS, PAINTERS, PAPERHANGERS & RELATE	98314981	207	244	37	6	6	12
HELPERS, ROOFERS	98316983	297	353	56	9	8	17
HELPERS, ALL OTHER CONSTRUCTION TRADES	98319984	626	663	37	6	17	23
TOTALS		24,934	27,093	2,159	361	763	1,124

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
CONSTRUCTION TECHNOLOGY.	15.1001	0	0	38	0	0	0	0	0	0	0	38
CARPENTRY.	46.0201	231	56	0	0	0	0	0	0	0	74	361
CONCRETE PLACING AND FINISHING	46.0402	0	0	0	0	0	0	0	0	0	22	22
CONSTRUCTION INSPECTION.	46.0403	0	0	0	0	0	0	0	0	0	0	0
DRYWALL INSTALLATION.	46.0404	0	0	0	0	0	0	0	0	0	0	0
FLOOR COVERING INSTALLATION.	46.0405	0	0	0	0	0	0	0	0	0	4	4
GLAZING.	46.0406	0	0	0	0	0	0	0	0	0	0	0
INSULATION INSTALLATION.	46.0407	0	0	0	0	0	0	0	0	0	0	0
PAINTING AND DECORATING.	46.0408	0	0	0	0	0	0	0	0	0	28	28
PLASTERING.	46.0409	0	0	0	0	0	0	0	0	0	16	16
ROOFING.	46.0410	0	0	0	0	0	0	0	0	0	0	0
TOTALS		231	56	38	0	0	0	0	0	0	144	469

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1470 CONSTRUCTION AND BUILDING TRADES --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CONSTRUCTION & BUILDING INSPECTORS	21908027	7
CARPENTERS	87102541	462
CEILING TILE INSTALLERS & ACOUSTICAL CARPENTERS	87105543	13
DRYWALL INSTALLERS	87108546	19
TAPERS	87111547	14
LATHERS	87114548	5
CONCRETE & TERRAZZO FINISHERS	87311544	111
REINFORCING METAL WORKERS	87314563	1
PLASTERERS	87317559	15
PAINTERS & PAPERHANGERS,CONSTRUCTION & MAINTENANCE	87402554	578
CARPET INSTALLERS	87602542	6
FLOOR LAYERS, EXC. CARPET, WOOD & HARD TILE	87605568	3
FLOOR SANDING MACHINE OPERATORS	87608569	483
INSULATION WORKERS	87802553	9
ROOFERS	87808561	60
GLAZIERS	87811550	19
FENCE ERECTORS	87817574	1
ALL OTHER CONSTRUCTION TRADES WORKERS	87899575	578
GLAZIERS, MANUFACTURING	93911883	0
CARPET CUTTERS, DIAGRAMMERS & SEAMERS	93932887	0
HELPERS, CARPENTERS & RELATED	98312979	1
HELPERS, PAINTERS, PAPERHANGERS & RELATED	98314981	341
HELPERS, ROOFERS	98316983	341
HELPERS, ALL OTHER CONSTRUCTION TRADES	98319984	63
TOTAL		3,130

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1480 MASONRY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
BRICK MASONS	87302537	1,779	1,945	166	28	32	60
STONE MASONS	87305538	116	138	22	4	2	6
HARD TILE SETTERS	87308551	110	136	26	4	1	5
HELPERS, MASONS & TILE SETTERS	98311978	456	559	103	17	13	30
TOTALS		2,461	2,778	317	53	48	101

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
BRICK, BLOCK, AND STONEMASONRY	46.0102	80	15	0	0	0	0	0	0	0	51	146
TILE SETTING.	46.0103	0	0	0	0	0	0	0	0	0	0	0
TOTALS		80	15	0	0	0	0	0	0	0	51	146

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
BRICK MASONS	87302537	87
STONE MASONS	87305538	3
HARD TILE SETTERS	87308551	3
HELPERS, MASONS & TILE SETTERS	98311978	824
TOTAL		917

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1490 PLUMBING AND PIPEFITTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PLUMBERS, PIPEFITTERS & STEAMFITTERS	87502560	3,370	3,839	469	78	93	171
PIPELAYING FITTERS	87505558	37	40	3	1	1	2
PIPELAYERS	87508557	537	577	40	7	12	19
SEPTIC TANK SERVICERS & SEWER PIPE CLEAN	87511567	67	78	11	2	2	4
HELPERS, PLUMBERS, PIPEFITTERS & STEAMFI	98315982	751	887	136	23	21	44
TOTALS		4,762	5,421	659	111	129	240

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PLUMBING, PIPE/STEAMFITTING, G	46.0501	0	0	0	0	0	0	0	0	0	0
PIPEFITTING AND STEAMFITTING.	46.0502	0	0	0	0	0	0	0	0	0	0
PLUMBING.	46.0503	11	9	0	0	0	0	0	0	25	45
TOTALS		11	9	0	0	0	0	0	0	25	45

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PLUMBERS, PIPEFITTERS & STEAMFITTERS	87502560	78
PIPELAYING FITTERS	87505558	483
PIPELAYERS	87508557	483
SEPTIC TANK SERVICERS & SEWER PIPE CLEANERS	87511567	2
HELPERS, PLUMBERS, PIPEFITTERS & STEAMFITTERS	98315982	3
TOTAL		1,049

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1500 BUILDING MAINTENANCE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MAINTENANCE REPAIRERS, GENERAL UTILITY	85132625	13,496	14,631	1,135	189	473	662
MOBILE HOME REPAIRERS	85938660	112	132	20	3	5	8
LOW PRESSURE BOILER OPERATOR	92926819	160	164	4	1	9	10
STATIONARY ENGINEERS	95032903	533	568	35	6	29	35
MECHANIC AND REPAIRER HELPERS	98102990	1,154	1,211	57	10	26	36
TOTALS		15,455	16,706	1,251	209	542	751

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
BUILDING AND PROPERTY MAINTENA	46.0401	55	18	0	0	0	0	0	0	20	27	120
MAINTANCE/BUILDING AND GROUNDS	46.0402	0	0	0	0	0	0	0	0	0	0	0
TOTALS		55	18	0	0	0	0	0	0	20	27	120

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MAINTENANCE REPAIRERS, GENERAL UTILITY	85132625	102
MOBILE HOME REPAIRERS	85938660	0
LOW PRESSURE BOILER OPERATOR	92926819	0
STATIONARY ENGINEERS	95032903	15
MECHANIC AND REPAIRER HELPERS	98102990	45
TOTAL		162

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1510 LOCKSMITHING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
LOCKSMITHS & SAFE REPAIRERS	85923657	231	251	20	3	34	37
TOTALS		231	251	20	3	34	37

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
LOCKSMITHING AND SAFE REPAIR.	47.0403	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
LOCKSMITHS & SAFE REPAIRERS	85923657	1
TOTAL		1

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1520 MUSICAL INSTRUMENT REPAIR

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MUSICAL INSTRUMENT REPAIRERS & TUNERS	85921650	221	222	1	0	27	27
TOTALS		221	222	1	0	27	27

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MUSICAL INSTRUMENT REPAIR.	47.0404	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MUSICAL INSTRUMENT REPAIRERS & TUNERS	85921650	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1530 SPORTING GOODS REPAIR

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
BICYCLE REPAIRERS	85951640	14	15	1	0	1	1
TOTALS		14	15	1	0	1	1

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
SPORTING GOODS EQUIPMENT REPAI	47.0407	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
BICYCLE REPAIRERS	85951640	0
TOTAL		0

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1540 WATCHMAKING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
WATCHMAKERS	85917655	45	45	0	0	5	5
* MACHINE TOOL CUTTING OPERATORS/TENDERS,	91117741	186	203	17	3	2	5
WATCH & CLOCK ASSEMBLERS & RELATED WORKE	93117864	7	7	0	0	0	0
TOTALS		238	255	17	3	7	10

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
WATCH REPAIR.	47.0408	0	0	1	0	0	0	0	0	0	0	1
TOTALS		0	0	1	0	0	0	0	0	0	0	1

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
WATCHMAKERS	85917655	0
* MACHINE TOOL CUTTING OPERATORS/TENDERS, METAL/PLAS	91117741	17
WATCH & CLOCK ASSEMBLERS & RELATED WORKERS, PRECIS	93117864	0
TOTAL		17

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1550 SHOE REPAIR AND LEATHERWORKING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SHOE & LEATHER WORKERS & REPAIRERS, PREC	89511697	195	201	6	1	23	24
SHOE SEWING MACHINE OPERATORS & TENDERS	92723848	19	19	0	0	0	0
CUTTING AND SPLICING SETTER/OPER.	92941830	239	265	26	4	5	9
CUTTING & SLICING MACHINE OPERATORS & TE	92944829	530	573	43	7	11	18
ALL OTHER MACHINE OPERATORS & TENDERS	92998851	2,305	2,476	171	29	40	69
* ALL OTHER ASSEMBLERS & FABRICATORS	93956885	104	112	8	1	2	3
* ALL OTHER HAND WORKERS	93999889	613	666	53	9	16	24
TOTALS		4,005	4,312	307	51	97	147

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.		Priv. Higher Ed. Assoc./Bac./Grad.		Private Post	Job Corp	Total Comp
LEATHERWORKING & UPHOLSTERING,	48.0301	0 0	0	0 0	0	0 0	0	0	0
SADDLEMAKING AND REPAIR.	48.0302	0 0	0	0 0	0	0 0	0	0	0
SHOE AND BOOT REPAIR.	48.0304	0 0	0	0 0	0	0 0	0	0	0
TOTALS		0 0	0	0 0	0	0 0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SHOE & LEATHER WORKERS & REPAIRERS, PRECISION	89511697	2
SHOE SEWING MACHINE OPERATORS & TENDERS	92723848	0
CUTTING AND SPLICING SETTER/OPER.	92941830	0
CUTTING & SLICING MACHINE OPERATORS & TENDERS	92944829	5
ALL OTHER MACHINE OPERATORS & TENDERS	92998851	41
* ALL OTHER ASSEMBLERS & FABRICATORS	93956885	463
* ALL OTHER HAND WORKERS	93999889	139
TOTAL		650

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1560 UPHOLSTERING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
UPHOLSTERERS	89508698	486	501	15	3	24	27
* ALL OTHER HAND WORKERS	93999889	610	663	53	9	16	24
TOTALS		1,096	1,164	68	12	40	51

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
UPHOLSTERING.	48.0303	14	0	0	0	0	0	0	0	0	0	14
TOTALS		14	0	0	0	0	0	0	0	0	0	14

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
UPHOLSTERERS	89508698	7
* ALL OTHER HAND WORKERS	93999889	139
TOTAL		146

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1570 WELDING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
WELDING MACHINE SETTERS & SET-UP OPERATO	91702758	480	529	49	8	8	16
WELDING MACHINE OPERATORS & TENDERS	91705757	514	578	64	11	9	20
SOLDERING & BRAZING MACHINE SETTERS & SE	91708755	23	25	2	0	0	0
SOLDERING & BRAZING MACHINE OPERATORS &	91711754	25	26	1	0	0	0
WELDERS & CUTTERS	93914881	6,527	6,996	469	78	112	190
SOLDERERS & BRAZERS	93917880	277	313	36	6	1	7
TOTALS		7,846	8,467	621	103	130	233

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
WELDING TECHNOLOGY.	15.0610	0	0	12	0	0	0	0	0	0	0	12
WELDING, BRAZING, AND SOLDERIN	48.0508	175	69	0	0	0	0	0	0	300	98	642
TOTALS		175	69	12	0	0	0	0	0	300	98	654

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
WELDING MACHINE SETTERS & SET-UP OPERATORS	91702758	1
WELDING MACHINE OPERATORS & TENDERS	91705757	0
SOLDERING & BRAZING MACHINE SETTERS & SET-UP OPS	91708755	0
SOLDERING & BRAZING MACHINE OPERATORS & TENDERS	91711754	0
WELDERS & CUTTERS	93914881	348
SOLDERERS & BRAZERS	93917880	0
TOTAL		349

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1580 METAL MANUFACTURING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
REFRACTORY MATERIAL REPAIRERS, EXC. BRIC	85126566	6	7	1	0	0	0
FOUNDRY MOLD & CORE MAKERS, PRECISION	89902724	156	175	19	3	4	7
METAL MOLDING MACHINE SETTERS & SET-UP O	91908770	66	73	7	1	1	2
METAL MOLDING MACHINE OPERATORS & TENDER	91911769	155	176	21	4	2	6
FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	91914763	89	98	9	2	1	3
FURNACE OPERATORS & TENDERS	91935764	128	149	21	4	2	6
METAL POURERS, BASIC SHAPES	93941875	94	101	7	1	0	1
GRINDING AND POLISHING, HAND	93953872	774	832	58	10	27	37
TOTALS		1,468	1,611	143	25	37	62

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
FOUNDRY WORK.	48.0502	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
REFRACTORY MATERIAL REPAIRERS, EXC. BRICKMASONS	85126566	0
FOUNDRY MOLD & CORE MAKERS, PRECISION	89902724	6
METAL MOLDING MACHINE SETTERS & SET-UP OPERATORS	91908770	0
METAL MOLDING MACHINE OPERATORS & TENDERS	91911769	1
FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	91914763	0
FURNACE OPERATORS & TENDERS	91935764	1
METAL POURERS, BASIC SHAPES	93941875	0
GRINDING AND POLISHING, HAND	93953872	10
TOTAL		18

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1590 MACHINE TOOL TECHNOLOGY

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
	PROGRAMMERS: NUMERICAL TOOL	25111255	93	103	10	2	0	2
*	PRECISION INSPEC., TESTERS & GRADERS	83002713	515	540	25	4	18	22
*	PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	413	444	31	5	11	16
	TOOL & DIE MAKERS	89102679	755	836	81	14	22	36
	PRECISION INSTRUMENT MAKERS	89105683	12	12	0	0	0	0
	MACHINISTS	89108676	3,814	3,996	182	30	81	111
	TOOL GRINDERS, FILERS, SHARPENERS & OTHE	89111686	286	314	28	5	6	11
	LATHE MACHINE TOOL SETTERS & SET-UP OPS,	91105739	682	737	55	9	10	19
	DRILLING MACHINE TOOL SETTERS & SET-UP O	91108737	512	546	34	6	8	14
	MILLING MACHINE SETTERS & SET-UP OPS, ME	91111746	279	287	8	1	2	3
	GRINDING MACHINE SETTERS & SET-UP OPS, M	91114738	514	552	38	6	8	14
*	MACHINE TOOL CUTTING OPERATORS/TENDERS,	91117741	150	164	14	2	2	4
*	EXTRUDING & DRAWING MACHINE SETTERS/SET-	91311744						
	ROLLING MACHINE SETTERS & SET-UP OPS, ME	91314748	347	380	33	6	27	33
	FORGING MACHINE SETTERS & SET-UP OPS, ME	91317745	9	10	1	0	0	0
	NUMERICALLY CONTRL. MACHINE TOOL OPS/TND	91502732	1,141	1,268	127	21	4	25
	COMBINATION MACHINE TOOL SETTERS & SET-U	91505735	642	678	36	6	5	11
	COMBINATION MACHINE TOOL OPERATORS/TNDRS	91508734	546	601	55	9	5	14
	HEAT. EQUIP. SETTERS & SET-UP OPERATORS,	91928766	27	26	-1	0	0	0
	HEAT TREATING MACHINE OPERATORS & TENDER	91932767	190	208	18	3	3	6
*	ALL OTHER METAL & PLAST. MACH. SET./OPER	92100777	275	296	21	4	10	14
	TOTALS		11,202	11,998	796	133	222	355

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
PRECISION METAL WORK, GENERAL.	48.0501	0	0	0	0	0	0	0	0	0	0	0
MACHINE TOOL OPERATION/MACHINE	48.0503	69	76	1	0	0	0	0	0	0	0	146
TOOL AND DIE MAKING.	48.0507	0	0	0	0	0	0	0	0	0	0	0
TOTALS		69	76	1	0	0	0	0	0	0	0	146

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1590 MACHINE TOOL TECHNOLOGY --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PROGRAMMERS: NUMERICAL TOOL	25111255	4
* PRECISION INSPEC., TESTERS & GRADERS	83002713	56
* PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
TOOL & DIE MAKERS	89102679	2
PRECISION INSTRUMENT MAKERS	89105683	2
MACHINISTS	89108676	112
TOOL GRINDERS, FILERS, SHARPENERS & OTHERS	89111686	4
LATHE MACHINE TOOL SETTERS & SET-UP OPS, MTL/PLAS	91105739	2
DRILLING MACHINE TOOL SETTERS & SET-UP OPS, MTL/PL	91108737	2
MILLING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91111746	1
GRINDING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91114738	1
* MACHINE TOOL CUTTING OPERATORS/TENDERS, METAL/PLAS	91117741	17
* EXTRUDING & DRAWING MACHINE SETTERS/SET-UP OPS M/P	91311744	3
ROLLING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91314748	2
FORGING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91317745	2
NUMERICALLY CONTRL. MACHINE TOOL OPS/TNDRS MTL/PLS	91502732	11
COMBINATION MACHINE TOOL SETTERS & SET-UP OPS, M/P	91505735	13
COMBINATION MACHINE TOOL OPERATORS/TNDRS, MTL/PLAS	91508734	21
HEAT. EQUIP. SETTERS & SET-UP OPERATORS, MTL/PLAS	91928766	0
HEAT TREATING MACHINE OPERATORS & TENDERS, MTL/PLS	91932767	4
TOTAL		369

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1600 SHEET METAL OPERATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* PRECISION INSPEC., TESTERS & GRADERS	83002713	87	91	4	1	3	4
* PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	259	278	19	3	7	10
STRUCTURAL METAL WORKERS	87814564	918	1,026	108	18	16	34
SHEET METAL WORKERS	89132677	3,328	3,769	441	74	74	148
BOILERMAKERS	89135674	340	400	60	10	8	18
ALL OTHER PRECISION METAL WORKERS	89199687	43	48	5	1	2	3
PUNCHING MACHINE SETTERS & SET-UP OPS, M	91302742	357	381	24	4	14	18
PRESS MACHINE SETTERS & SET-UP OPS, META	91305747	325	356	31	5	13	18
SHEAR MACHINE SETTERS & SET-UP OPS, META	91308750	215	238	23	4	9	13
MACHINE FORMING OPERATORS & TENDERS, MET	91321740	695	743	48	8	20	28
STRUCTURAL METAL FABRICATORS	91714752	417	488	71	12	7	19
* ELECTROLYTIC PLATING SET./OPER., M/P	91917762	67	72	5	1	2	3
ELECTROLYTIC PLATING OPER., M/P	91921761	404	459	55	9	12	21
NONELECTROLYTIC PLATING SET., M/P	91923773	125	143	18	3	4	7
NONELECTROLYTIC PLATING OPER., M/P	91926772	53	55	2	0	2	2
HEATERS, METAL AND PLASTIC	91938765	18	21	3	1	0	1
* ALL OTHER METAL & PLAST. MACH. SET./OPER	92100777	276	298	22	4	10	14
STRUCTURAL METAL FITTERS	93108861	294	338	44	7	10	17
ALL OTHER PRECISION ASSEMBLERS, METAL	93197865	1,960	2,042	82	14	61	75
* ALL OTHER ASSEMBLERS & FABRICATORS	93956885	862	930	68	11	16	27
TOTALS		11,043	12,176	1,133	190	290	480

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
METAL FABRICATION.	48.0504	0	0	0	0	0	0	0	0	0	0	0
SHEET METAL.	48.0506	7	1	0	0	0	0	0	0	0	0	8
TOTALS		7	1	0	0	0	0	0	0	0	0	8

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1600 SHEET METAL OPERATIONS --- continued

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	PRECISION INSPEC., TESTERS & GRADERS	83002713	56
*	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
	STRUCTURAL METAL WORKERS	87814564	91
	SHEET METAL WORKERS	89132677	82
	BOILERMAKERS	89135674	20
	ALL OTHER PRECISION METAL WORKERS	89199687	1
	PUNCHING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91302742	2
	PRESS MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91305747	3
	SHEAR MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91308750	1
	MACHINE FORMING OPERATORS & TENDERS, METAL/PLASTIC	91321740	4
	STRUCTURAL METAL FABRICATORS	91714752	124
*	ELECTROLYTIC PLATING SET./OPER., M/P	91917762	9
	ELECTROLYTIC PLATING OPER., M/P	91921761	2
	NONELECTROLYTIC PLATING SET., M/P	91923773	0
	NONELECTROLYTIC PLATING OPER., M/P	91926772	2
	HEATERS, METAL AND PLASTIC	91938765	0
	STRUCTURAL METAL FITTERS	93108861	3
	ALL OTHER PRECISION ASSEMBLERS, METAL	93197865	9
*	ALL OTHER ASSEMBLERS & FABRICATORS	93956885	463
	TOTAL		982

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1610 METAL PATTERNMAKING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PATTERN & MODEL MAKERS, METAL	89114685	26	29	3	1	2	3
PRECISION LAYOUT WORKERS, METAL	89117684	175	190	15	3	4	7
TOTALS		201	219	18	4	6	10

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
METAL PATTERNMAKING.	48.0505	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PATTERN & MODEL MAKERS, METAL	89114685	1
PRECISION LAYOUT WORKERS, METAL	89117684	3
TOTAL		4

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1620 INDUSTRIAL CERAMICS MANUFACTURING

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	PRODUCTION INSPECTORS, TESTERS, GRADERS	83005714	920	989	69	12	24	35
	MOLDERS/SHAPERS, EXC. JEWELRY & FOUNDRY,	89905727	16	16	0	0	0	0
	PATTERNMAKERS	89908728	69	70	1	0	5	5
	EXT. & FORMING MACHINE OPS/TNDRS, SYNTHE	92708801	23	25	2	0	1	1
	FURNACE, KILN OR KETTLE OPERATORS/TENDER	92923836	492	525	33	6	15	21
*	CRUSHING & MIXING MACHINE OPERATORS & TE	92965827	792	871	79	13	21	34
	EXTRUDING & FORMING MACHINE SETTERS & SE	92968835	331	362	31	5	1	6
	EXTRUDING & FORMING MACHINE OPERATORS &	92971834	982	1,069	87	15	4	19
	MOLDERS AND CASTERS, HAND	93944884	40	41	1	0	0	0
	TOTALS		3,665	3,968	303	51	71	121

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
INDUSTRIAL CERAMICS MANUFACTUR	48.0601	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	110
	MOLDERS/SHAPERS, EXC. JEWELRY & FOUNDRY, PRECISION	89905727	0
	PATTERNMAKERS	89908728	2
	EXT. & FORMING MACHINE OPS/TNDRS, SYNTHETIC FIBERS	92708801	0
	FURNACE, KILN OR KETTLE OPERATORS/TENDERS	92923836	6
*	CRUSHING & MIXING MACHINE OPERATORS & TENDERS	92965827	14
	EXTRUDING & FORMING MACHINE SETTERS & SET-UP OPS	92968835	2
	EXTRUDING & FORMING MACHINE OPERATORS & TENDERS	92971834	5
	MOLDERS AND CASTERS, HAND	93944884	7
	TOTAL		146

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1630 JEWELRYMAKING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
JEWELERS & SILVERSMITHS	89123675	161	171	10	2	8	10
PRECISION HAND WORKERS, JEWELRY	89126682	72	74	2	0	4	4
TOTALS		233	245	12	2	12	14

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
JEWELRY DESIGN, FABRICATION, A	48.0602	0	0	15	0	0	0	0	0	0	0	15
TOTALS		0	0	15	0	0	0	0	0	0	0	15

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
JEWELERS & SILVERSMITHS	89123675	1
PRECISION HAND WORKERS, JEWELRY	89126682	1
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1640 PLASTICS TECHNOLOGY

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	EXT. & DRAW. MACHINE SETTERS & SET-UP OP	91311692						
	PLASTIC MOLDING MACHINE SETTERS & SET-UP	91902776	78	87	9	2	1	3
*	ELECTROLYTIC PLATING SET./OPER., M/P	91917762	56	60	4	1	2	2
	TOTALS		134	147	13	3	3	5

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PLASTICS.	48.0604	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
	PLASTIC MOLDING MACHINE SETTERS & SET-UP OPERATORS	91902776	8
*	ELECTROLYTIC PLATING SET./OPER., M/P	91917762	9
	TOTAL		17

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1650 WOODWORKING, GENERAL

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PATTERN & MODEL MAKERS, WOOD	89302707	104	111	7	1	0	1
WOOD MACHINISTS	89308708	586	621	35	6	30	36
CABINETMAKERS & BENCH CARPENTERS	89311705	540	602	62	10	29	39
FURNITURE FINISHERS	89314706	131	140	9	2	13	15
ALL OTHER PRECISION WOODWORKERS	89399709	28	30	2	0	0	0
SAWING MACHINE SETTERS & SET-UP OPERATOR	92302814	155	160	5	1	5	6
HEAD SAWYERS	92305812	76	74	-2	0	3	3
SAWING MACHINE OPERATORS & TENDERS	92308813	280	288	8	1	10	11
WOODWORKING MACHINE SETTERS & SET-UP OPE	92311817	143	148	5	1	2	3
WOODWORKING MACHINE OPERATORS & TENDERS	92314816	195	202	7	1	3	4
* ALL OTHER ASSEMBLERS & FABRICATORS	93956885	10,518	11,352	834	139	194	333
TOTALS		12,756	13,728	972	162	289	451

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
WOODWORKING, GENERAL.	48.0701	0	0	0	0	0	0	0	0	0	0	0
FURNITURE MAKING.	48.0702	0	0	0	0	0	0	0	0	0	0	0
MILLWORK AND CABINET MAKING.	48.0703	9	1	0	0	0	0	0	0	0	0	10
TOTALS		9	1	0	0	0	0	0	0	0	0	10

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PATTERN & MODEL MAKERS, WOOD	89302707	0
WOOD MACHINISTS	89308708	2
CABINETMAKERS & BENCH CARPENTERS	89311705	33
FURNITURE FINISHERS	89314706	4
ALL OTHER PRECISION WOODWORKERS	89399709	0
SAWING MACHINE SETTERS & SET-UP OPERATORS	92302814	0
SAWING MACHINE OPERATORS & TENDERS	92308813	10
WOODWORKING MACHINE SETTERS & SET-UP OPERATORS	92311817	4
WOODWORKING MACHINE OPERATORS & TENDERS	92314816	1
* ALL OTHER ASSEMBLERS & FABRICATORS	93956885	463
TOTAL		517

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1660 HEAVY EQUIPMENT OPERATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* RIGGERS	85935653	16	17	1	0	1	1
AIR HAMMER OPERATORS	87702570	22	24	2	0	0	0
PILE DRIVING OPERATORS	87705571	20	24	4	1	0	1
PAVING, SURFACING & TAMPING EQUIPMENT OP	87708555	903	965	62	10	9	19
HIGHWAY MAINTENANCE WORKERS	87711552	4,245	4,435	190	32	91	123
RAIL-TRACK LAYING & MAINTENANCE EQUIP. O	87714572	260	247	-13	-2	5	3
* EARTH DRILLERS, EXC. OIL & GAS EXTRACTIO	87902592	150	174	24	4	7	11
* ALL OTHER CONSTRUCTION & EXTRACTIVE WORK	87999594	550	577	27	5	8	12
* EXCAVATING & LOADING MACHINE OPERATORS	97923949	456	504	48	8	10	18
* DRAGLINE OPERATORS	97926962	23	27	4	1	1	1
GRADER, DOZER & SCRAPER OPERATORS	97938950	2,012	2,267	255	43	101	144
* HOIST & WINCH OPERATORS	97941951	54	56	2	0	0	1
* CRANE & TOWER OPERATORS	97944948	119	130	11	2	3	5
* OPERATING ENGINEERS	97956953	675	730	55	9	19	28
TOTALS		9,505	10,177	672	113	255	367

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CONSTRUCTION EQUIPMENT OPERATI	49.0202	0	0	0	0	0	0	0	0	0	30	30
TOTALS		0	0	0	0	0	0	0	0	0	30	30

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* RIGGERS	85935653	2
AIR HAMMER OPERATORS	87702570	0
PILE DRIVING OPERATORS	87705571	0
PAVING, SURFACING & TAMPING EQUIPMENT OPERATORS	87708555	21
HIGHWAY MAINTENANCE WORKERS	87711552	4
RAIL-TRACK LAYING & MAINTENANCE EQUIP. OPERATORS	87714572	3
* EARTH DRILLERS, EXC. OIL & GAS EXTRACTION	87902592	5
* ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	87999594	236
* EXCAVATING & LOADING MACHINE OPERATORS	97923949	31
* DRAGLINE OPERATORS	97926962	2
GRADER, DOZER & SCRAPER OPERATORS	97938950	50
* HOIST & WINCH OPERATORS	97941951	93
* CRANE & TOWER OPERATORS	97944948	31
* OPERATING ENGINEERS	97956953	543
TOTAL		1,021

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1670 MATERIALS HANDLING AND MOVING OPERATORS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ELEVATOR OPERATORS	67011405	25	26	1	0	4	4
LONGSHORE EQUIPMENT OPERATORS	97902955	2	2	0	0	0	0
* HOIST & WINCH OPERATORS	97941951	128	132	4	1	1	2
* CRANE & TOWER OPERATORS	97944948	400	439	39	6	9	15
INDUSTRIAL TRUCK & TRACTOR OPERATORS	97947952						
CONVEYOR OPERATORS AND TENDERS	97951966	412	443	31	5	19	24
ALL OTHER TRANSP., MATERIALS MOVING OPER	97989969	599	642	43	7	21	28
STEVEDORES, EXC. EQUIPMENT OPERATORS	98702973	9	11	2	0	0	0
REFUSE COLLECTORS	98705986	2,173	2,289	116	19	62	81
ALL HELPER, LABOR, MOVER	98799991						
TOTALS		3,748	3,984	236	38	116	154

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MATERIAL HANDLING.	49.0203	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ELEVATOR OPERATORS	67011405	3
LONGSHORE EQUIPMENT OPERATORS	97902955	1
* HOIST & WINCH OPERATORS	97941951	93
* CRANE & TOWER OPERATORS	97944948	31
INDUSTRIAL TRUCK & TRACTOR OPERATORS	97947952	114
CONVEYOR OPERATORS AND TENDERS	97951966	3
STEVEDORES, EXC. EQUIPMENT OPERATORS	98702973	0
REFUSE COLLECTORS	98705986	4
TOTAL		249

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1680 OIL RELATED OCCUPATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* BLASTERS & EXPLOSIVES WORKERS	87905591	308	338	30	5	4	9
ROTARY DRILL OPERATORS, OIL & GAS EXTRAC	87911581	1,356	1,427	71	12	22	34
DERRICK OPERATORS, OIL & GAS EXTRACTION	87914580	2,205	2,311	106	18	35	53
ROUSTABOUTS	87921578	6,525	6,479	-46	-8	86	78
* ALL OTHER CONSTRUCTION & EXTRACTIVE WORK	87999594	550	577	27	5	8	12
OIL PUMPERS, EXCEPT WELL HEAD	97908957	1,098	1,148	50	8	49	57
WELL HEAD PUMPERS	97911958	563	589	26	4	25	29
* HOIST & WINCH OPERATORS	97941951	54	56	2	0	0	1
* HELPERS, EXTRACTIVE WORKERS	98323989	3	3	0	0	0	0
TOTALS		12,662	12,928	266	44	229	273

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
OIL & GAS DRILLING EQUIPMENT O	47.0305	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* BLASTERS & EXPLOSIVES WORKERS	87905591	11
ROTARY DRILL OPERATORS, OIL & GAS EXTRACTION	87911581	270
DERRICK OPERATORS, OIL & GAS EXTRACTION	87914580	83
ROUSTABOUTS	87921578	125
* ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	87999594	236
OIL PUMPERS, EXCEPT WELL HEAD	97908957	10
WELL HEAD PUMPERS	97911958	2
* HOIST & WINCH OPERATORS	97941951	93
* HELPERS, EXTRACTIVE WORKERS	98323989	378
TOTAL		1,208

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1690 PUMPING PLANT OPERATORS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
GAS PLANT OPERATORS	95005901	248	261	13	2	9	11
PETROLEUM PUMP SYSTEM OPERATORS	95011902	71	74	3	1	3	4
GAUGERS	95017899	276	288	12	2	10	12
TANK CAR & TRUCK LOADERS	97905956	34	38	4	1	2	3
MAIN LINE STATION ENGINEERS	97914959	27	28	1	0	1	1
GAS PUMPING STATION OPERATORS	97917960	235	242	7	1	10	11
GAS COMPRESSOR OPERATORS	97921961	211	223	12	2	9	11
PUMP OPERATORS	97953967	116	124	8	1	5	6
TOTALS		1,218	1,278	60	10	49	59

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
PUMPING PLANTS.	47.0504	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
GAS PLANT OPERATORS	95005901	1
PETROLEUM PUMP SYSTEM OPERATORS	95011902	5
GAUGERS	95017899	1
TANK CAR & TRUCK LOADERS	97905956	1
MAIN LINE STATION ENGINEERS	97914959	0
GAS PUMPING STATION OPERATORS	97917960	0
GAS COMPRESSOR OPERATORS	97921961	1
PUMP OPERATORS	97953967	4
TOTAL		13

* indicates occupation code occurs in more than one cluster

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1700 MINING EQUIPMENT OPERATORS

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	EARTH DRILLERS, EXC. OIL & GAS EXTRACTIO	87902592	178	207	29	5	9	13
*	BLASTERS & EXPLOSIVES WORKERS	87905591	105	115	10	2	1	3
	ROCK SPLITTERS,QUARRY	87908587	11	15	4	1	0	1
	MINING MACHINE OPERATORS	87940586	150	158	8	1	5	6
	CONTINUOUS MINING MACHINE OPERATORS	87941584	99	129	30	5	1	6
	MINE CUTTING & CHANNELING MACHINE OPERAT	87943585	82	96	14	2	1	3
	ALL OTHER MINING MACHINE OPERATORS	87949589	12	14	2	0	0	0
	ALL OTHER EXTRACTIVE OCCUP., EXC. HELPER	87989593	741	780	39	7	26	33
*	ALL OTHER CONSTRUCTION & EXTRACTIVE WORK	87999594	550	577	27	5	8	12
*	EXCAVATING & LOADING MACHINE OPERATORS	97923949	525	551	26	4	11	15
*	DRAGLINE OPERATORS	97926962	49	59	10	2	1	3
	UNDERGROUND LOADING MACHINE OPERATORS	97932964	60	76	16	3	1	4
*	OPERATING ENGINEERS	97956953	347	375	28	5	10	15
*	HELPERS, EXTRACTIVE WORKERS	98323989	6	7	1	0	0	0
	TOTALS		2,915	3,159	244	42	74	114

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
MINING EQUIPMENT OPERATION.	49.0204	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	EARTH DRILLERS, EXC. OIL & GAS EXTRACTION	87902592	5
*	BLASTERS & EXPLOSIVES WORKERS	87905591	11
	ROCK SPLITTERS,QUARRY	87908587	0
	CONTINUOUS MINING MACHINE OPERATORS	87941584	2
	MINE CUTTING & CHANNELING MACHINE OPERATORS	87943585	32
	ALL OTHER MINING MACHINE OPERATORS	87949589	2
*	ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	87999594	236
*	EXCAVATING & LOADING MACHINE OPERATORS	97923949	31
*	DRAGLINE OPERATORS	97926962	2
	UNDERGROUND LOADING MACHINE OPERATORS	97932964	0
*	OPERATING ENGINEERS	97956953	543
*	HELPERS, EXTRACTIVE WORKERS	98323989	378
	TOTAL		1,242

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1710 VEHICLE DRIVING OCCUPATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* TRUCK DRIVERS	97101916	28,355	30,082	1,727	288	1,026	1,313
BUS DRIVERS	97108913	544	572	28	5	43	48
BUS DRIVERS, SCHOOL	97111914	4,588	4,787	199	33	360	393
TAXI DRIVERS & CHAUFFEURS	97114915	518	532	14	2	28	30
ALL OTHER MOTOR VEHICLE OPERATORS	97199921	909	995	86	14	19	33
TOTALS		34,914	36,968	2,054	342	1,476	1,817

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
TRUCK AND BUS DRIVING.	49.0205	1	126	0	0	0	0	0	0	677	0	804
TOTALS		1	126	0	0	0	0	0	0	677	0	804

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
BUS DRIVERS	97108913	13
BUS DRIVERS, SCHOOL	97111914	13
TAXI DRIVERS & CHAUFFEURS	97114915	4
ALL OTHER MOTOR VEHICLE OPERATORS	97199921	0
TOTAL		30

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1720 RAIL AND TRACK OPERATIONS AND MAINTENANCE

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
SIGNAL OR TRACK SWITCH MAINTENANCE	85511601	32	29	-3	0	1	1
RAILROAD CONDUCTORS & YARDMASTERS	97302925	221	209	-12	-2	8	6
LOCOMOTIVE ENGINEERS	97305923	137	129	-8	-1	3	2
RAIL YARD ENGINEERS, DINKEY OPER.	97308926	62	59	-3	0	1	1
LOCOMOTIVE FIRERS	97311928	57	53	-4	-1	1	0
RAILROAD BRAKE, SIGNAL, SWITCH OPER.	97317924	504	479	-25	-4	7	3
ALL OTHER RAIL VEHICLE OPERATORS	97399930	21	20	-1	0	0	0
TOTALS		1,034	978	-56	-8	21	13

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
SIGNAL OR TRACK SWITCH MAINTENANCE	85511601	0
RAILROAD CONDUCTORS & YARDMASTERS	97302925	0
LOCOMOTIVE ENGINEERS	97305923	1
RAIL YARD ENGINEERS, DINKEY OPER.	97308926	0
LOCOMOTIVE FIRERS	97311928	0
RAILROAD BRAKE, SIGNAL, SWITCH OPER.	97317924	6
ALL OTHER RAIL VEHICLE OPERATORS	97399930	0
TOTAL		7

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1730 WATER TRANSPORTATION OCCUPATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CAPTAINS & OFFICERS, FISH. VESSEL	77002508	1	1	0	0	0	0
CAPTAINS, WATER VESSEL	97502936	10	10	0	0	0	0
SHIP PILOTS	97508937	1	1	0	0	0	0
MOTORBOAT OPERATORS	97511945	10	10	0	0	0	0
BRIDGE, LOCK, LIGHTHOUSE TENDERS	97802944	30	31	1	0	2	2
DREDGE OPERATORS & DIPPER TENDERS	97928963	16	18	2	0	0	0
TOTALS		68	71	3	0	2	2

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CAPTAINS, WATER VESSEL	97502936	0
SHIP PILOTS	97508937	0
MOTORBOAT OPERATORS	97511945	0
BRIDGE, LOCK, LIGHTHOUSE TENDERS	97802944	0
DREDGE OPERATORS & DIPPER TENDERS	97928963	2
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1740 MARINE MAINTENANCE

DEMAND REPORT

	Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
*	RIGGERS	85935653	16	17	1	0	1	1
	TOTALS		16	17	1	0	1	1

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MARINE MAINTENANCE.	49.0306	0	0	0	0	0	0	0	0	0	0	0
TOTALS		0	0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

	Occupational Title	MATRIX CODE	Total Claimants
*	RIGGERS	85935653	2
	TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1750 MATHEMATICAL SPECIALISTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
STATISTICIANS	25312084	33	33	0	0	0	0
ACTUARIES	25313083	12	13	1	0	0	0
FINANCIAL ANALYSTS, STATISTICAL	25315042	115	123	8	1	1	2
ALL OTHER MATH. SCIENTISTS	25319087	120	126	6	1	0	1
TOTALS		280	295	15	2	1	3

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MATHEMATICS, GENERAL.	27.0101	0	0	41	132	13	2	23	3	0	0	214
APPLIED MATHEMATICS.	27.0301	0	0	0	0	3	0	0	0	0	0	3
STATISTICS.	27.0501	0	0	0	2	9	0	0	0	0	0	11
TOTALS		0	0	41	134	25	2	23	3	0	0	228

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
STATISTICIANS	25312084	0
ACTUARIES	25313083	0
FINANCIAL ANALYSTS, STATISTICAL	25315042	9
ALL OTHER MATH. SCIENTISTS	25319087	0
TOTAL		9

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1760 ARCHITECTS AND LANDSCAPE ARCHITECTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ARCHITECTS, EXC. LAND AND MARINE	22302067	1,197	1,195	-2	0	39	39
LANDSCAPE ARCHITECTS	22308068	29	30	1	0	1	1
TOTALS		1,226	1,225	-1	0	40	40

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ARCHITECTURE.	04.0201	0	0	0	58	19	0	0	0	0	0	77
ENVIRONMENTAL DESIGN.	04.0401	0	0	0	33	0	0	0	0	0	0	33
LANDSCAPE ARCHITECTURE.	04.0601	0	0	0	6	0	0	0	0	0	0	6
TOTALS		0	0	0	97	19	0	0	0	0	0	116

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ARCHITECTS, EXC. LAND AND MARINE	22302067	1
LANDSCAPE ARCHITECTS	22308068	1
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1770 SOCIAL SCIENTISTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
ECONOMISTS, MARKET ANALYSTS	27102098	201	217	16	3	5	8
SOCIOLOGISTS	27109096						
ALL OTHER SOCIAL SCIENTISTS	27199103	128	133	5	1	1	2
TOTALS		329	350	21	4	6	10

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
SOCIAL SCIENCES, GENERAL.	45.0101	0	0	126	37	0	18	5	0	0	0	186
ANTHROPOLOGY.	45.0201	0	0	0	7	5	0	1	3	0	0	16
CRIMINOLOGY.	45.0401	0	0	0	78	25	0	0	0	0	0	103
ECONOMICS.	45.0601	0	0	0	45	35	0	0	0	0	0	80
GEOGRAPHY.	45.0701	0	0	0	32	13	0	0	0	0	0	45
HISTORY.	45.0801	0	0	13	86	22	0	26	2	0	0	149
POLITICAL SCIENCE AND GOVERNME	45.1001	0	0	4	215	35	2	18	0	0	0	274
SOCIOLOGY.	45.1101	0	0	35	158	8	0	9	0	0	0	210
URBAN STUDIES.	45.1201	0	0	0	2	0	0	0	0	0	0	2
SOCIAL SCIENCES, OTHER.	45.9999	0	0	0	19	3	0	0	0	0	0	22
TOTALS		0	0	178	679	146	20	59	5	0	0	1,087

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
ECONOMISTS, MARKET ANALYSTS	27102098	5
ALL OTHER SOCIAL SCIENTISTS	27199103	0
TOTAL		5

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1780 RELIGIOUS OCCUPATIONS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
CLERGY	27502105	3,710	3,996	286	48	262	310
DIRECTORS, RELIG. ACTIV./EDUC.	27505106	252	273	21	4	12	16
ALL OTHER RELIGIOUS WORKERS	27599262	63	65	2	0	3	3
TOTALS		4,025	4,334	309	52	277	329

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
MISSIONARY STUDIES	39.0301	0	0	0	0	0	0	3	0	0	0	3
RELIGIOUS EDUCATION.	39.0401	0	0	0	0	0	2	14	0	0	0	16
RELIGIOUS MUSIC	39.0501	0	0	0	0	0	0	15	0	47	0	62
THEOLOGICAL STUDIES.	39.0601	0	0	0	0	0	1	99	57	0	0	157
THEOLOGY, OTHER	39.9999	0	0	0	0	0	0	30	0	0	0	30
TOTALS		0	0	0	0	0	3	161	57	47	0	268

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
CLERGY	27502105	2
DIRECTORS, RELIG. ACTIV./EDUC.	27505106	0
ALL OTHER RELIGIOUS WORKERS	27599262	0
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1790 FINE AND APPLIED ARTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
MUSIC DIRECTORS, SINGERS, AND RELATED	34047184	53	57	4	1	1	2
MUSICIANS, INSTRUMENTAL	34051185	558	583	25	4	13	17
DANCERS AND CHOREOGRAPHERS	34053179	9	9	0	0	0	0
PROD., DIRECT., ACTORS, ENTERTAINERS	34056189	168	180	12	2	2	4
TOTALS		788	829	41	7	16	23

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post	Voc-Ed Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
DANCE.	50.0301	0	0	0	5	2	0	0	0	0	0	7
DESIGN, GENERAL	50.0401	0	0	0	2	0	1	15	0	0	0	18
DRAMATIC ARTS.	50.0501	0	0	4	20	9	0	8	0	0	0	41
FINE ARTS, GENERAL.	50.0701	0	0	38	122	6	10	8	5	0	0	189
ART HISTORY AND APPRECIATION.	50.0703	0	0	0	1	0	0	0	0	0	0	1
MUSIC, GENERAL.	50.0901	0	0	11	5	7	0	8	0	0	0	31
MUSIC PERFORMANCE	50.0903	0	0	0	0	0	0	5	0	0	0	5
MUSIC THEORY AND COMPOSITION.	50.0904	0	0	10	36	12	1	17	6	0	0	82
TOTALS		0	0	63	191	36	12	61	11	0	0	374

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
MUSIC DIRECTORS, SINGERS, AND RELATED	34047184	0
MUSICIANS, INSTRUMENTAL	34051185	3
DANCERS AND CHOREOGRAPHERS	34053179	3
PROD., DIRECT., ACTORS, ENTERTAINERS	34056189	19
TOTAL		25

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1800 EDUCATIONAL ADMINISTRATORS AND SPECIALISTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
EDUCATION ADMINISTRATORS	15005003	3,746	3,911	165	28	136	164
AUDIO-VISUAL SPECIALISTS	31508265	106	111	5	1	4	5
VOCATIONAL & EDUC. COUNSELORS	31514156	1,481	1,566	85	14	35	49
INSTRUCTIONAL COORDINATORS	31517149	1,370	1,410	40	7	75	82
TOTALS		6,703	6,998	295	50	250	300

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
CURRICULUM AND INSTRUCTION	13.0301	0	0	0	84	0	0	0	0	0	84
EDUCATION ADMINISTRATION, GENE	13.0401	0	0	0	197	0	0	12	0	0	209
HIGHER EDUCATION ADMINSTRATION	13.0406	0	0	0	43	0	0	0	0	0	43
COMMUNITY COLLEGE EDUCATION AD	13.0407	0	0	0	64	0	0	0	0	0	64
EDUCATIONAL TESTING EVALUATION	13.0604	0	0	0	3	0	0	0	0	0	3
SCHOOL PSYCHOLOGY.	13.0801	0	0	15	76	0	0	0	0	0	91
STUDENT COUNSELING AND PERSONN	13.1101	0	0	0	220	0	0	2	0	0	222
TOTALS		0	0	15	687	0	0	14	0	0	716

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
EDUCATION ADMINISTRATORS	15005003	8
AUDIO-VISUAL SPECIALISTS	31508265	0
VOCATIONAL & EDUC. COUNSELORS	31514156	21
INSTRUCTIONAL COORDINATORS	31517149	1
TOTAL		30

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1810 EDUCATIONAL TEACHING AREAS, POST SECONDARY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
LECTURERS	31111128	375	403	28	5	10	15
NURSING INSTRUCTORS	31114150	383	403	20	3	3	6
GRADUATE ASSISTANTS, TEACHING	31117147	2,666	2,781	115	19	71	90
LIFE SCIENCE TEACHERS	31202135	1,601	1,670	69	12	42	54
CHEMISTRY TEACHERS	31204130	268	280	12	2	7	9
PHYSICS TEACHERS	31206137	154	161	7	1	4	5
ALL OTHER PHYS. SCIENCE TEACHERS	31209139	300	313	13	2	8	10
SOCIAL SCIENCE TEACHERS	31210138	1,142	1,191	49	8	30	38
HEALTH SPECIALTIES TEACHERS	31212134	427	445	18	3	11	14
ENGLISH & FOR. LANG. TEACHERS	31216133	1,329	1,386	57	10	40	50
ART, DRAMA, AND MUSIC TEACHERS	31218129	1,125	1,173	48	8	30	38
ENGINEERING TEACHERS	31222132	321	335	14	2	8	10
MATHEMATICAL SCIENCE TEACHERS	31224136	839	875	36	6	22	28
COMPUTER SCIENCE TEACHERS	31226131	355	370	15	3	9	12
ALL OTHER POST SECONDARY TEACHERS	31299140	2,156	2,250	94	16	57	73
TOTALS		13,441	14,036	595	100	352	452

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
ADULT AND CONTINUING EDUCATION	13.1201	0	0	0	0	14	0	0	0	0	0	14
TECHNICAL EDUCATION.	13.1319	0	0	0	132	55	0	0	0	0	0	187
TOTALS		0	0	0	132	69	0	0	0	0	0	201

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1810 EDUCATIONAL TEACHING AREAS, POST SECONDARY --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
LECTURERS	31111128	6
NURSING INSTRUCTORS	31114150	0
GRADUATE ASSISTANTS, TEACHING	31117147	0
LIFE SCIENCE TEACHERS	31202135	6
CHEMISTRY TEACHERS	31204130	6
PHYSICS TEACHERS	31206137	6
ALL OTHER PHYS. SCIENCE TEACHERS	31209139	6
SOCIAL SCIENCE TEACHERS	31210138	6
HEALTH SPECIALTIES TEACHERS	31212134	6
ENGLISH & FOR. LANG. TEACHERS	31216133	6
ART, DRAMA, AND MUSIC TEACHERS	31218129	6
ENGINEERING TEACHERS	31222132	6
MATHEMATICAL SCIENCE TEACHERS	31224136	6
COMPUTER SCIENCE TEACHERS	31226131	6
ALL OTHER POST SECONDARY TEACHERS	31299140	6
TOTAL		78

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1820 EDUCATIONAL TEACHING AREAS, EXCL. POST SECONDARY

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
* TEACHERS, PRESCHOOL & KINDERGARTEN	31302119	1,761	1,884	123	21	45	65
TEACHERS, ELEMENTARY	31305120	16,732	17,452	720	120	455	575
TEACHERS, SECONDARY SCHOOL	31308123	13,708	14,299	591	99	270	369
TEACHERS, VOCATIONAL EDUCATION	31314145	2,149	2,236	87	15	118	133
INSTRUCTORS, NONVOCATIONAL EDUCATION	31317144	1,612	1,717	105	18	89	107
INSTRUCTORS AND COACHES, SPORTS	31321148	1,859	1,968	109	18	103	121
ALL OTHER TEACHERS, INSTRUCTORS	31399152	2,499	2,610	111	19	137	156
TOTALS		40,320	42,166	1,846	310	1,217	1,526

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
EDUCATION, GENERAL.	13.0101	0	0	0	64	0	0	10	26	0	0	100
ELEMENTARY EDUCATION.	13.1202	0	0	0	802	216	0	114	2	0	0	1,134
SECONDARY EDUCATION.	13.1205	0	0	0	105	180	0	13	1	0	0	299
AGRICULTURAL EDUCATION.	13.1301	0	0	0	6	0	0	0	0	0	0	6
ART EDUCATION.	13.1302	0	0	0	10	7	0	0	0	0	0	17
BUSINESS EDUCATION.	13.1303	0	0	0	94	26	0	5	0	0	0	125
DRIVER AND SAFETY EDUCATION.	13.1304	0	0	0	8	1	0	0	0	0	0	9
ENGLISH EDUCATION.	13.1305	0	0	0	11	3	0	0	0	0	0	14
HEALTH EDUCATION.	13.1307	0	0	0	14	0	0	0	0	0	0	14
HOME ECONOMICS EDUCATION.	13.1308	0	0	0	4	7	0	1	0	0	0	12
MATHEMATICAL EDUCATION.	13.1311	0	0	0	57	7	0	8	0	0	0	72
MUSIC EDUCATION.	13.1312	0	0	0	62	13	0	27	0	0	0	102
PHYSICAL EDUCATION.	13.1314	0	0	0	319	31	0	34	5	0	0	389
READING EDUCATION.	13.1315	0	0	0	0	202	0	0	2	0	0	204
SCIENCE EDUCATION.	13.1316	0	0	0	47	8	0	5	0	0	0	60
SOCIAL SCIENCE EDUCATION.	13.1317	0	0	0	11	7	0	1	0	0	0	19
SOCIAL STUDIES EDUCATION.	13.1318	0	0	0	9	0	0	2	0	0	0	11
TEACHER EDUCATION, SPECIFIC SU	13.1399	0	0	0	5	9	0	0	0	0	0	14
EDUCATION, OTHER.	13.9999	0	0	0	208	40	0	11	16	0	0	275
TOTALS		0	0	0	1,836	757	0	231	52	0	0	2,876

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1820 EDUCATIONAL TEACHING AREAS, EXCL. POST SECONDARY --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
* TEACHERS, PRESCHOOL & KINDERGARTEN	31302119	2
TEACHERS, ELEMENTARY	31305120	23
TEACHERS, SECONDARY SCHOOL	31308123	20
TEACHERS, VOCATIONAL EDUCATION	31314145	10
INSTRUCTORS, NONVOCATIONAL EDUCATION	31317144	5
INSTRUCTORS AND COACHES, SPORTS	31321148	3
ALL OTHER TEACHERS, INSTRUCTORS	31399152	2
TOTAL		65

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1830 SPECIAL EDUCATION TEACHERS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
TEACHERS, SPECIAL EDUCATION	31311151	4,142	4,320	178	30	82	112
TOTALS		4,142	4,320	178	30	82	112

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
SPECIAL EDUCATION, GENERAL.	13.1001	0	0	0	51	108	0	6	0	0	0	165
EDUCATION OF THE DEAF AND HEAR	13.1003	0	0	0	0	0	0	8	0	0	0	8
EDUCATION OF THE EMOTIONALLY H	13.1005	0	0	0	4	0	0	0	0	0	0	4
EDUCATION OF THE MENTALLY HAND	13.1006	0	0	0	10	2	0	0	0	0	0	12
EDUCATION OF THE MULTIPLE HAND	13.1007	0	0	0	15	0	0	0	0	0	0	15
EDUCATION OF THE PHYSICALLY HA	13.1008	0	0	0	7	0	0	0	0	0	0	7
SPECIFIC LEARNING DISABILITIES	13.1011	0	0	0	34	3	0	0	6	0	0	43
SPEECH CORRECTION.	13.1012	0	0	0	10	0	0	12	5	0	0	27
TOTALS		0	0	0	131	113	0	26	11	0	0	281

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
TEACHERS, SPECIAL EDUCATION	31311151	2
TOTAL		2

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1840 TEACHER ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
TEACHER AIDES, PARAPROFESSIONAL	31521390	3,250	3,387	137	23	35	58
TEACHER AIDES AND EDUCATIONAL ASSISTANTS	53905389	3,334	3,513	179	30	65	95
TOTALS		6,584	6,900	316	53	100	153

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
TRAINING ASSISTING.	07.0502	0	0	0	0	0	0	0	0	0	0	0
TEACHER ASSISTING.	13.1501	0	0	18	0	0	0	0	0	0	0	18
TOTALS		0	0	18	0	0	0	0	0	0	0	18

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
TEACHER AIDES, PARAPROFESSIONAL	31521390	9
TEACHER AIDES AND EDUCATIONAL ASSISTANTS	53905389	10
TOTAL		19

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1850 LIBRARY AND ARCHIVAL SCIENCES

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
LIBRARIANS, PROFESSIONAL	31502155	1,263	1,317	54	9	45	54
CURATORS, ARCHIVISTS, MUSEUM TECHS	31511154	105	115	10	2	7	9
TOTALS		1,368	1,432	64	11	52	63

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
LIBRARY AND ARCHIVAL SCIENCES,	25.0101	0	0	0	1	31	0	0	0	0	0	32
LIBRARY AND ARCHIVAL SCIENCES,	25.9999	0	0	1	0	0	0	0	0	0	0	1
TOTALS		0	0	1	1	31	0	0	0	0	0	33

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
LIBRARIANS, PROFESSIONAL	31502155	1
CURATORS, ARCHIVISTS, MUSEUM TECHS	31511154	3
TOTAL		4

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1860 LIBRARY ASSISTING

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
TECHNICAL ASSISTANTS,LIBRA	31505256	624	646	22	4	22	26
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	53902361	784	810	26	4	17	21
TOTALS		1,408	1,456	48	8	39	47

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.	Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
LIBRARY ASSISTING.	25.0301	0 0	0	0	0	0	0	0	0	0	0
TOTALS		0 0	0	0	0	0	0	0	0	0	0

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
TECHNICAL ASSISTANTS,LIBRA	31505256	1
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	53902361	3
TOTAL		4

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1870 PHYSICAL SCIENTISTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
PHYSICISTS AND ASTRONOMERS	24102093	175	179	4	1	5	6
CHEMISTS, EXCEPT BIOCHEMISTS	24105090	486	526	40	7	13	20
METEOROLOGISTS	24108092	72	81	9	2	2	4
GEOLOGIST, GEOPHYSICIST, OCEANOG.	24111091	2,302	2,462	160	27	117	144
ALL OTHER PHYSICAL SCIENTISTS	24199096	95	101	6	1	1	2
TOTALS		3,130	3,349	219	38	138	176

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
PHYSICAL SCIENCES, GENERAL.	40.0101	0	0	27	0	1	5	1	12	0	0	46
ASTRONOMY.	40.0201	0	0	0	1	0	0	0	0	0	0	1
ASTROPHYSICS.	40.0301	0	0	0	7	0	0	0	0	0	0	7
ATMOSPHERIC SCIENCES AND METEO	40.0401	0	0	0	18	12	0	0	0	0	0	30
CHEMISTRY, GENERAL.	40.0501	0	0	4	102	33	0	25	0	0	0	164
GEOLOGY.	40.0601	0	0	0	54	27	0	8	0	0	0	89
GEOPHYSICS AND SEISMOLOGY.	40.0603	0	0	0	10	4	0	4	0	0	0	18
PHYSICS, GENERAL.	40.0801	0	0	1	34	24	0	7	0	0	0	66
TOTALS		0	0	32	226	101	5	45	12	0	0	421

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
PHYSICISTS AND ASTRONOMERS	24102093	0
CHEMISTS, EXCEPT BIOCHEMISTS	24105090	2
METEOROLOGISTS	24108092	0
GEOLOGIST, GEOPHYSICIST, OCEANOG.	24111091	25
ALL OTHER PHYSICAL SCIENTISTS	24199096	0
TOTAL		27

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1880 LIFE SCIENTISTS

DEMAND REPORT

Occupational Title	MATRIX CODE	EMPLOYMENT EST 86	EMPLOYMENT PROJ 92	Total Growth	Average Growth	Annual SEP	Open Total
AGRIC. AND FOOD SCIENTISTS	24305075	346	369	23	4	8	12
BIOLOGICAL SCIENTISTS	24308076	293	319	26	4	8	12
MEDICAL SCIENTISTS	24311080	123	133	10	2	3	5
ALL OTHER LIFE SCIENTISTS	24399081	20	20	0	0	0	0
TOTALS		782	841	59	10	19	29

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec./Post Sec.		Pub. Higher Ed. Assoc./Bac./Grad.			Priv. Higher Ed. Assoc./Bac./Grad.			Private Post	Job Corp	Total Comp
FOOD SCIENCES.	02.0301	0	0	0	0	5	0	0	0	0	0	5
BIOLOGY, GENERAL.	26.0101	0	0	0	156	1	0	75	1	0	0	233
BIOCHEMISTRY AND BIOPHYSICS.	26.0201	0	0	0	10	4	0	2	0	0	0	16
BOTANY, GENERAL.	26.0301	0	0	0	7	9	0	0	0	0	0	16
PLANT PATHOLOGY.	26.0305	0	0	0	1	4	0	0	0	0	0	5
MICROBIOLOGY.	26.0501	0	0	0	51	11	0	0	0	0	0	62
ANATOMY.	26.0601	0	0	0	0	1	0	0	0	0	0	1
ECOLOGY.	26.0603	0	0	0	14	1	0	0	1	0	0	16
ZOOLOGY, GENERAL.	26.0701	0	0	0	51	15	0	0	0	0	0	66
ENTOMOLOGY.	26.0702	0	0	0	1	7	0	0	0	0	0	8
PHARMACOLOGY, HUMAN AND ANIMAL	26.0705	0	0	0	0	1	0	0	0	0	0	1
PHYSIOLOGY, HUMAN AND ANIMAL.	26.0706	0	0	0	15	6	0	0	0	0	0	21
LIFE SCIENCES, OTHER.	26.9999	0	0	0	2	0	0	0	0	0	0	2
TOTALS		0	0	0	308	65	0	77	2	0	0	452

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1880 LIFE SCIENTISTS --- continued

UNEMPLOYMENT REPORT

Occupational Title	MATRIX CODE	Total Claimants
AGRIC. AND FOOD SCIENTISTS	24305075	4
BIOLOGICAL SCIENTISTS	24308076	1
MEDICAL SCIENTISTS	24311080	0
TOTAL		5

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1890 ETHNIC, LIBERAL & INTERDISCIPLINARY STUDIES

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed		Pub. Higher Ed.			Priv. Higher Ed.			Private	Job	Total
		Sec./Post	Sec.	Assoc./Bac./Grad.			Assoc./Bac./Grad.			Post	Corp	Comp
EUROPEAN STUDIES, GENERAL.	05.0106	0	0	0	2	0	0	0	0	0	0	2
LATIN AMERICAN STUDIES.	05.0107	0	0	0	0	2	0	0	0	0	0	2
RUSSIAN AND SLAVIC STUDIES.	05.0110	0	0	0	1	0	0	0	0	0	0	1
AMERICAN INDIAN STUDIES.	05.0202	0	0	1	1	0	0	0	0	0	0	2
PRE-PHARMACY.	18.1901	0	0	8	0	0	0	0	0	0	0	8
PRE-LAW.	22.0102	0	0	2	0	0	0	0	0	0	0	2
LIBERAL ARTS & SCIENCES.	24.0101	0	0	591	80	16	3	5	0	0	0	695
GENERAL STUDIES.	24.0102	0	0	0	7	4	0	0	0	0	0	11
HUMANITIES AND SOCIAL SCIENCE.	30.0401	0	0	3	2	80	0	0	1	0	0	86
PHILOSOPHY.	38.0101	0	0	0	12	4	0	1	0	0	0	17
RELIGION.	38.0201	0	0	0	3	0	0	42	1	0	0	46
TOTALS		0	0	605	108	106	3	48	2	0	0	872

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1900 ENGLISH

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
ENGLISH, GENERAL.	23.0101	0	0	45	109	43	0	10	0	0	0	207
CLASSICS.	23.0201	0	0	0	3	0	0	0	0	0	0	3
COMPARATIVE LITERATURE.	23.0301	0	0	0	0	0	0	9	10	0	0	19
CREATIVE WRITING	23.0501	0	0	0	0	0	0	1	0	0	0	1
SPEECH, DEBATE, AND FORENSICS.	23.1001	0	0	7	90	15	0	6	0	0	0	118
LETTERS, OTHER.	23.9999	0	0	2	32	0	0	13	0	0	0	47
TOTALS		0	0	54	234	58	0	39	10	0	0	395

** indicates occupation code occurs in more than one cluster*

WORK FORCE OKLAHOMA
LABOR SUPPLY/DEMAND REPORT 1989

CLUSTER # 1910 FOREIGN LANGUAGES

SUPPLY REPORT

Program Title	CIP Code	Voc-Ed Sec.	Voc-Ed Post Sec.	Pub. Higher Ed. Assoc.	Pub. Higher Ed. Bac.	Pub. Higher Ed. Grad.	Priv. Higher Ed. Assoc.	Priv. Higher Ed. Bac.	Priv. Higher Ed. Grad.	Private Post	Job Corp	Total Comp
FOREIGN LANGUAGES, MULTIPLE EM	16.0101	0	0	8	5	0	1	0	0	0	0	14
RUSSIAN.	16.0402	0	0	0	3	0	0	0	0	0	0	3
GERMAN.	16.0501	0	0	0	10	1	0	0	0	0	0	11
FRENCH.	16.0901	0	0	0	14	3	0	2	0	0	0	19
LATIN.	16.0903	0	0	0	0	1	0	0	0	0	0	1
SPANISH.	16.0905	0	0	0	20	1	0	5	0	0	0	26
TOTALS		0	0	8	52	6	1	7	0	0	0	74

** indicates occupation code occurs in more than one cluster*

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Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
ACCOUNTING AND COMPUTING.	07.0102	0180
ACCOUNTING, BOOKKEEPING & REL. PROGRAMS,GENERAL.	07.0101	0180
ACCOUNTING.	06.0201	0180
ADULT AND CONTINUING EDUCATION.	13.1201	1810
ADVERTISING.	09.0201	0340
AERONAUTICAL TECHNOLOGY.	15.0801	1330
AEROSPACE, AERONAUTICAL, & ASTRO. ENGINEERING.	14.0201	1115
AGRIBUSINESS AND AGRICULTURAL PRODUCTION, OTHER	01.9999	0020
AGRICULTURAL BUSINESS & MGMT., GENERAL.	01.0101	0010
AGRICULTURAL BUSINESS.	01.0102	0010
AGRICULTURAL ECONOMICS.	01.0103	0010
AGRICULTURAL EDUCATION.	13.1301	1820
AGRICULTURAL ELECTRIFICATION, POWER AND CONTROLS	01.0202	0040
AGRICULTURAL ENGINEERING.	14.0301	1100
AGRICULTURAL MECHANICS, CONSTRUCTION, AND MAINT.	01.0203	0040
AGRICULTURAL MECHANICS, GENERAL.	01.0201	0040
AGRICULTURAL POWER MACHINERY.	01.0204	0040
AGRICULTURAL PRODUCTION, GENERAL.	01.0301	0020
AGRICULTURAL PRODUCTS & PROCESSING, GENERAL.	01.0401	0850
AGRICULTURAL SCIENCES, GENERAL.	02.0101	0020
AGRICULTURAL SERVICES & SUPPLIES, GENERAL.	01.0501	0050
AGRICULTURAL SERVICES.	01.0502	0050
AGRICULTURAL STRUCTURES, EQUIP. & FACILITIES	01.0205	0040
AGRICULTURAL SUPPLIES MARKETING.	01.0503	0060
AGRONOMY.	02.0402	0020
AIR COND., HEATING, AND REFRIGERATION TECHNOLOGY.	15.0501	1190
AIR CONDITIONING & REFRIGERATION.	47.0201	1190
AIR TRAFFIC CONTROL.	49.0105	1350
AIRCRAFT MECHANICS, AIRFRAME.	47.0607	1390
AIRCRAFT MECHANICS, GENERAL.	47.0602	1390
AIRCRAFT MECHANICS, POWERPLANT.	47.0608	1390
ALLIED HEALTH, OTHER	17.9999	0790
AMERICAN INDIAN STUDIES.	05.0202	1890
ANATOMY.	26.0601	1880
ANIMAL PRODUCTION.	01.0302	0020
ANIMAL SCIENCES, GENERAL.	02.0201	0020
ANIMAL TRAINING.	01.0505	0050
ANTHROPOLOGY.	45.0201	1770
APPAREL & ACCESSORIES MKTG, GENERAL	08.0101	0400
APPLIANCE MARKETING.	08.0802	0380
APPLIED MATHEMATICS.	27.0301	1750
ARBORICULTURE.	01.0602	0070
ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY.	15.0101	1130
ARCHITECTURAL DRAFTING.	48.0102	1130
ARCHITECTURAL ENGINEERING.	14.0401	1120
ARCHITECTURE.	04.0201	1760
ART EDUCATION.	13.1302	1820
ART HISTORY AND APPRECIATION.	50.0703	1790
ASTRONOMY.	40.0201	1870
ASTROPHYSICS.	40.0301	1870
ATMOSPHERIC SCIENCES AND METEOROLOGY.	40.0401	1870

Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
AUCTIONEERING	08.0701	0380
AUTOMOTIVE BODY REPAIR.	47.0603	1380
AUTOMOTIVE MECHANICS.	47.0604	1370
AUTOMOTIVE TECHNOLOGY.	15.0803	1370
AUTOMOTIVE VEHICLES AND ACCESSORIES MARKETING.	08.1203	0390
AVIONICS.	47.0120	1160
BAKING.	20.0402	0840
BANKING AND FINANCE.	06.0301	0190
BARBERING/HAIRSTYLING.	12.0402	0940
BARTENDING	12.0202	0840
BIOCHEMISTRY AND BIOPHYSICS.	26.0201	1880
BIOLOGY, GENERAL.	26.0101	1880
BIOMEDICAL EQUIPMENT TECHNOLOGY.	15.0401	1200
BOOKBINDING.	48.0202	1030
BOOKKEEPING.	07.0103	0180
BOTANY, GENERAL.	26.0301	1880
BRICK, BLOCK, AND STONEMASONRY.	46.0102	1480
BUILDING AND PROPERTY MAINTENANCE.	46.0401	1500
BUILDING MATERIALS MARKETING.	08.0803	0380
BUSINESS & PERSONAL SERVICES MKTG, GENERAL.	08.0201	0370
BUSINESS (ADMINISTRATIVE SUPPORT), OTHER.	07.9999	0280
BUSINESS ADMINISTRATION AND MANAGEMENT, GENERAL.	06.0401	0130
BUSINESS AND MANAGEMENT, GENERAL	06.0101	0130
BUSINESS COMPUTER AND CONSOLE OPERATION.	07.0302	0160
BUSINESS DATA ENTRY EQUIPMENT OPERATION.	07.0303	0170
BUSINESS DATA PERIPHERAL EQUIPMENT OPERATION.	07.0304	0160
BUSINESS DATA PROGRAMMING AND REL. PROG., GENERAL.	07.0301	0150
BUSINESS DATA PROGRAMMING.	07.0305	0150
BUSINESS ECONOMICS	06.0501	0130
BUSINESS EDUCATION.	13.1303	1820
BUSINESS MACHINE REPAIR.	47.0102	1170
BUSINESS SYSTEMS ANALYSIS.	07.0306	0140
CARDIOVASCULAR TECHNOLOGY.	17.0201	0790
CARPENTRY.	46.0201	1470
CASHIER CHECKER	08.1301	0380
CENTRAL SUPPLY TECHNOLOGY.	17.0502	0790
CHEF/COOK.	20.0403	0840
CHEMICAL ENGINEERING.	14.0701	1040
CHEMICAL MANUFACTURING	80.0101	1240
CHEMICAL TECHNOLOGY.	41.0301	1240
CHEMISTRY, GENERAL.	40.0501	1870
CHILD CARE AIDE/ASSISTING.	20.0202	0810
CHILD CARE MANAGEMENT.	20.0203	0800
CHILD DEVELOPMENT, CARE, AND GUIDANCE.	20.0102	0800
CHILDCARE AND GUIDANCE MANAGEMENT.	20.0201	0800
CITY, COMMUNITY, AND REGIONAL PLANNING.	04.0301	1150
CIVIL ENGINEERING.	14.0801	1050
CIVIL TECHNOLOGY.	15.0201	1140
CIVIL/STRUCTURAL DRAFTING.	48.0103	1130
CLASSICS.	23.0201	1900
CLERK-TYPIST.	07.0702	0270

Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
CLINCAL ANIMAL TECHNOLOGY.	17.0303	0120
CLINICAL LABORATORY ASSISTING.	17.0305	0600
CLINICAL PSYCHOLOGY.	42.0201	0760
CLOTHING MAINTENANCE AIDE.	20.0302	0830
CLOTHING,APPAREL & TEXTILES MGMT, GENERAL.	20.0301	0820
COAL MINING TECHNOLOGY.	15.0901	1280
COMMERCIAL ART.	48.0203	1010
COMMERCIAL GARMENT AND APPAREL CONSTRUCTION.	20.0303	0820
COMMERCIAL PHOTOGRAPHY.	48.0204	0980
COMMUNICATION TECHNOLOGIES, OTHER.	10.0199	1000
COMMUNICATIONS ELECTRONICS.	47.0103	1420
COMMUNICATIONS, GENERAL.	09.0101	1000
COMMUNITY COLLEGE EDUCATION ADMINISTRATION.	13.0407	1800
COMMUNITY HEALTH WORK.	17.0402	0770
COMMUNITY SERVICES.	44.0201	0770
COMPANION TO THE AGED.	20.0602	0920
COMPARATIVE LITERATURE.	23.0301	1900
COMPOSITION, MAKE-UP, AND TYPESETTING.	48.0205	1020
COMPUTER AND INFORMATION SCIENCES, GENERAL	11.0101	0150
COMPUTER ELECTRONICS.	47.0104	1170
COMPUTER SERVICING TECHNOLOGY.	15.0402	1170
COMPUTER TECHNOLOGY.	15.0301	1160
CONCRETE PLACING AND FINISHING.	46.0402	1470
CONSTRUCTION EQUIPMENT OPERATION.	49.0202	1660
CONSTRUCTION INSPECTION.	46.0403	1470
CONSTRUCTION TECHNOLOGY.	15.1001	1470
CONVENTIONAL ELECTRIC POWER GENERATION.	47.0502	1220
COOLING AND REFRIGERATION.	47.0202	1190
CORRECTIONAL ADMINISTRATION.	43.0101	0960
CORRECTIONS.	43.0102	0960
CORRESPONDENCE CLERK.	07.0703	0280
COSMETOLOGY.	12.0403	0940
COUNSELING PSYCHOLOGY.	42.0601	0760
COURT REPORTING.	07.0602	0240
CREATIVE WRITING	23.0501	1900
CRIMINAL JUSTICE STUDIES.	43.0104	0960
CRIMINAL JUSTICE TECHNOLOGY.	43.0105	0960
CRIMINOLOGY.	45.0401	1770
CROP PRODUCTION.	01.0304	0020
CURRICULUM AND INSTRUCTION	13.0301	1800
CUSTODIAL SERVICES.	20.0604	0910
CUSTOM APPAREL/GARMENT SEAMSTRESS.	20.0304	0830
CUSTOM DRAPERY AND WINDOW TREATMENT DESIGN/MAKING	20.0502	0900
CUSTOM SLIPCOVERING AND UPHOLSTERING.	20.0503	0900
CUSTOM TAILORING AND ALTERATION.	20.0305	0830
DAIRY.	02.0206	0020
DANCE.	50.0301	1790
DENTAL ASSISTING.	17.0101	0480
DENTAL HYGIENE.	17.0102	0490
DENTAL LABORATORY TECHNOLOGY.	17.0103	0500
DENTISTRY, GENERAL.	18.0401	0470

PROGRAM TITLES	CIP CODES	CLUSTER NO.
DESIGN, GENERAL	50.0401	1790
DIAGNOSTIC MEDICAL SONOGRAPHY.	17.0212	0790
DIESEL ENGINE MECHANICS.	47.0605	1400
DIETETIC AIDE/ASSISTING.	20.0404	0880
DRAFTING AND DESIGN TECHNOLOGY.	15.0202	1130
DRAFTING, GENERAL.	48.0101	1130
DRAMATIC ARTS.	50.0501	1790
DRIVER AND SAFETY EDUCATION.	13.1304	1820
DRYCLEANING & LAUNDERING SERVICES.	12.0101	0930
DRYWALL INSTALLATION.	46.0404	1470
DUPLICATING MACHINE OPERATION.	07.0704	0280
ECOLOGY.	26.0603	1880
ECONOMICS.	45.0601	1770
EDUCATION ADMINISTRATION, GENERAL.	13.0401	1800
EDUCATION OF THE DEAF AND HEARING IMPAIRED	13.1003	1830
EDUCATION OF THE EMOTIONALLY HANDICAPPED.	13.1005	1830
EDUCATION OF THE MENTALLY HANDICAPPED.	13.1006	1830
EDUCATION OF THE MULTIPLE HANDICAPPED.	13.1007	1830
EDUCATION OF THE PHYSICALLY HANDICAPPED.	13.1008	1830
EDUCATION, GENERAL.	13.0101	1820
EDUCATION, OTHER.	13.9999	1820
EDUCATIONAL TESTING EVALUATION AND MEASUREMENT.	13.0604	1800
ELECTRICAL & POWER TRANSMISSION INSTLTN, GENERAL.	46.0301	1460
ELECTRICAL EQUIPMENT REPAIR, GENERAL.	47.0101	1430
ELECTRICAL TECHNOLOGY.	15.0302	1160
ELECTRICAL, ELECTRONICS, AND COMMUNICATIONS ENGIN.	14.1001	1060
ELECTRICAL/ELECTRONICS DRAFTING.	48.0104	1130
ELECTRICIAN.	46.0302	1460
ELECTROCARDIOGRAPH TECHNOLOGY.	17.0203	0570
ELECTROENCEPHALOGRAPH TECHNOLOGY.	17.0204	0580
ELECTROMECHANICAL TECHNOLOGY.	15.0403	1180
ELECTROMECHANICAL, HYDRAULIC, AND PNEUMATIC INSTR.	47.0401	1180
ELECTRONIC TECHNOLOGY.	15.0303	1160
ELEMENTARY EDUCATION.	13.1202	1820
EMERGENCY MEDICAL TECHNOLOGY - AMBULANCE.	17.0205	0590
EMERGENCY MEDICAL TECHNOLOGY - PARAMEDIC.	17.0206	0590
ENGINEERING PHYSICS.	14.1201	1120
ENGINEERING, GENERAL.	14.0101	1120
ENGINEERING, OTHER.	14.9999	1120
ENGLISH EDUCATION.	13.1305	1820
ENGLISH, GENERAL.	23.0101	1900
ENTOMOLOGY.	26.0702	1880
ENTREPRENEURSHIP	08.0301	0380
ENVIRONMENTAL DESIGN.	04.0401	1760
ENVIRONMENTAL HEALTH ENGINEERING.	14.1401	1120
EUROPEAN STUDIES, GENERAL.	05.0106	1890
EXECUTIVE HOUSEKEEPING.	20.0605	0910
EXECUTIVE SECRETARIAL.	07.0603	0260
FAMILY RELATIONS	19.0704	0800
FARM AND GARDEN SUPPLIES MARKETING.	08.0502	0380
FARM AND RANCH MANAGEMENT.	01.0104	0010

Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
FASHION MERCHANDISING.	08.0102	0400
FASHION/FABRIC COORDINATION.	20.0306	0400
FINANCIAL SERVICES MARKETING.	08.0401	0360
FINE ARTS, GENERAL.	50.0701	1790
FIRE CONTROL AND SAFETY TECHNOLOGY.	43.0201	0970
FIREFIGHTING.	43.0203	0970
FLOOR COVERING INSTALLATION.	46.0405	1470
FLORAL DESIGN.	20.0504	0080
FLORISTRY.	08.0503	0080
FOOD CATERING.	20.0405	0840
FOOD MARKETING, GENERAL.	08.0601	0380
FOOD PROCESSING TECHNOLOGY.	15.0602	0850
FOOD PRODUCTION, MGMT. & SERVICES, GENERAL.	20.0401	0840
FOOD PRODUCTS.	01.0402	0850
FOOD SCIENCES AND HUMAN NUTRITION, GENERAL.	19.0501	0870
FOOD SCIENCES.	02.0301	1880
FOOD SERVICE.	20.0406	0840
FOREIGN LANGUAGES, MULTIPLE EMPHASIS.	16.0101	1910
FOREST PRODUCTION.	03.0402	0100
FOREST PRODUCTS PROCESSING TECHNOLOGY.	03.0404	0100
FOREST PRODUCTS UTILIZATION.	03.0403	0100
FORESTRY AND RELATED SCIENCES, GENERAL.	03.0501	0090
FORESTRY PRODUCTION & PROCESSING, GENERAL.	03.0401	0100
FOSTER CARE/FAMILY CARE.	20.0204	0810
FOUNDRY WORK.	48.0502	1580
FRENCH.	16.0901	1910
FUNERAL SERVICES. (MORTUARY SCIENCE TECHNOLOGY)	12.0301	0950
FURNITURE MAKING.	48.0702	1650
FURNITURE MARKETING.	08.0805	0380
GENERAL OFFICE CLERK.	07.0705	0280
GENERAL STUDIES.	24.0102	1890
GEOGRAPHY.	45.0701	1770
GEOLOGICAL ENGINEERING.	14.1501	1120
GEOLOGICAL TECHNOLOGY.	41.0302	1300
GEOLOGY.	40.0601	1870
GEOPHYSICS AND SEISMOLOGY.	40.0603	1870
GERIATRIC AIDE.	17.0601	0540
GERMAN.	16.0501	1910
GLAZING.	46.0406	1470
GRAPHIC & PRINTING COMMUNICATION, GENERAL.	48.0201	1020
GREENHOUSE OPERATION AND MANAGEMENT.	01.0604	0070
HARDWARE MARKETING.	08.0806	0380
HEALTH EDUCATION.	13.1307	1820
HEALTH SCIENCES, OTHER.	18.9999	0780
HEALTH SERVICES ADMINISTRATION.	18.0701	0750
HEALTH UNIT COORDINATING.	17.0513	0750
HEALTH UNIT MANAGEMENT.	17.0606	0750
HEATING AND AIR CONDITIONING.	47.0203	1190
HEAVY EQUIPMENT MAINTENANCE AND REPAIR.	47.0302	1440
HEMATOLOGY TECHNOLOGY.	17.0307	0600
HIGHER EDUCATION ADMINSTRATION.	13.0406	1800

Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
HISTOLOGIC TECHNOLOGY.	17.0308	0600
HISTORY.	45.0801	1770
HOME & OFFICE PRODUCTS MKTG, GENERAL.	08.0801	0380
HOME DECORATING.	20.0505	0890
HOME ECONOMICS EDUCATION.	13.1308	1820
HOME FURNISHING AND EQUIPMENT MANAGEMENT	20.0501	0900
HOME FURNISHINGS AIDE.	20.0506	0900
HOME HEALTH AIDE.	17.0404	0540
HOMEMAKERS AIDE.	20.0606	0920
HORSE HANDLING AND CARE.	01.0507	0120
HORSESHOEING.	01.0506	0050
HORTICULTURE SCIENCE.	02.0403	0070
HORTICULTURE, GENERAL.	01.0601	0070
HOSPITALITY & RECREATION MARKETING, GENERAL.	08.0901	0440
HOTEL/MOTEL MANAGEMENT.	06.0701	0440
HOUSEHOLD EQUIPMENT.	19.0602	0890
HUMANITIES AND SOCIAL SCIENCE.	30.0401	1890
INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY.	42.0901	0760
INDUSTRIAL CERAMICS MANUFACTURING.	48.0601	1620
INDUSTRIAL ELECTRONICS.	47.0105	1170
INDUSTRIAL ENGINEERING.	14.1701	1070
INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR.	47.0303	1450
INDUSTRIAL SALES.	08.0702	0410
INDUSTRIAL TECHNOLOGY.	15.0603	1250
INFORMATION SCIENCES AND SYSTEMS	11.0401	0160
INSTITUTION,HOME MGMT & SUPPORT SVCS, GENERAL.	20.0601	0910
INSTRUMENTATION TECHNOLOGY.	15.0404	1180
INSULATION INSTALLATION.	46.0407	1470
INSURANCE AND RISK MANAGEMENT	06.0801	0320
INSURANCE CLERK.	07.0203	0310
INSURANCE MARKETING.	08.1001	0320
INTERIOR DESIGN.	04.0501	0890
INTERNATIONAL MARKETING.	08.0703	0380
JEWELRY DESIGN, FABRICATION, AND REPAIR.	48.0602	1630
JOURNALISM (MASS COMMUNICATIONS).	09.0401	1000
LANDSCAPE ARCHITECTURE.	04.0601	1760
LANDSCAPING.	01.0605	0070
LATIN AMERICAN STUDIES.	05.0107	1890
LATIN.	16.0903	1910
LAW ENFORCEMENT.	43.0107	0960
LAW.	22.0101	0220
LEATHERWORKING & UPHOLSTERING, GENERAL.	48.0301	1550
LEGAL ASSISTING.	22.0103	0230
LEGAL SECRETARIAL.	07.0604	0260
LEISURE AND RECREATIONAL ACTIVITIES, GENERAL.	36.0101	0460
LETTERS, OTHER.	23.9999	1900
LIBERAL ARTS & SCIENCES.	24.0101	1890
LIBRARY AND ARCHIVAL SCIENCES, GENERAL.	25.0101	1850
LIBRARY AND ARCHIVAL SCIENCES, OTHER.	25.9999	1850
LIBRARY ASSISTING.	25.0301	1860
LIFE SCIENCES, OTHER.	26.9999	1880

Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
LINEWORKER.	46.0303	1460
LITHOGRAPHY, PHOTOGRAPHY, AND PLATEMAKING.	48.0206	1020
LOCKSMITHING AND SAFE REPAIR.	47.0403	1510
LOGGING.	03.0405	0100
MACHINE BILLING, BOOKKEEPING, AND COMPUTING.	07.0104	0180
MACHINE TOOL OPERATION/MACHINE SHOP.	48.0503	1590
MAINTANCE/BUILDING AND GROUNDS	46.0402	1500
MAJOR APPLIANCE REPAIR.	47.0106	1430
MANAGEMENT SCIENCE, GENERAL.	06.1303	0130
MARINE MAINTENANCE.	49.0306	1740
MARKETING AND DISTRIBUTION, OTHER	08.9999	0380
MARKETING MANAGEMENT.	06.1401	0380
MARKETING OF BUSINESS OR PERSONAL SERVICES.	08.0203	0370
MARKETING OF HOTEL/MOTEL SERVICES.	08.0902	0440
MARKETING OF RECREATIONAL SERVICES.	08.0903	0460
MARKETING, GENERAL.	08.0708	0380
MATERIAL HANDLING.	49.0203	1670
MATERIALS ENGINEERING.	14.1801	1120
MATHEMATICAL EDUCATION.	13.1311	1820
MATHEMATICS, GENERAL.	27.0101	1750
MEATCUTTING.	48.0402	0860
MECHANICAL DESIGN TECHNOLOGY.	15.0805	1130
MECHANICAL DRAFTING.	48.0105	1130
MECHANICAL ENGINEERING.	14.1901	1080
MEDICAL ASSISTING.	17.0503	0560
MEDICAL LABORATORY TECHNOLOGY.	17.0309	0600
MEDICAL OFFICE MANAGEMENT.	17.0505	0560
MEDICAL RECORDS ADMINISTRATION.	18.0703	0610
MEDICAL RECORDS TECHNOLOGY.	17.0506	0610
MEDICAL SECRETARIAL.	07.0605	0260
MEDICAL TECHNOLOGY.	17.0310	0600
MEDICINE, GENERAL.	18.1001	0510
MENTAL HEALTH/HUMAN SERVICES ASSISTING.	17.0405	0770
MENTAL HEALTH/HUMAN SERVICES TECHNOLOGY.	17.0406	0770
METAL FABRICATION.	48.0504	1600
METAL PATTERNMAKING.	48.0505	1610
METALLURGICAL ENGINEERING.	14.2001	1090
MICROBIOLOGY.	26.0501	1880
MILLWORK AND CABINET MAKING.	48.0703	1650
MINE EQUIPMENT MAINTENANCE AND REPAIR.	47.0304	1450
MINING (EXCLUDING COAL) TECHNOLOGY.	15.0902	1280
MINING EQUIPMENT OPERATION.	49.0204	1700
MISSIONARY STUDIES	39.0301	1780
MOTION PICTURE TECHNOLOGY.	10.0102	0990
MOTOR REPAIR.	47.0107	1430
MUSIC EDUCATION.	13.1312	1820
MUSIC PERFORMANCE	50.0903	1790
MUSIC THEORY AND COMPOSITION.	50.0904	1790
MUSIC, GENERAL.	50.0901	1790
MUSICAL INSTRUMENT REPAIR.	47.0404	1520
NUCLEAR ENGINEERING.	14.2301	1120

Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
NURSERY OPERATION AND MANAGEMENT.	01.0606	0070
NURSING ASSISTING.	17.0602	0540
NURSING, GENERAL.	18.1101	0520
OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY.	15.0701	1270
OCCUPATIONAL THERAPY AIDE.	17.0809	0640
OCCUPATIONAL THERAPY ASSISTING.	17.0808	0640
OCCUPATIONAL THERAPY.	17.0807	0630
OFFICE PRODUCTS AND EQUIPMENT MARKETING.	08.0807	0410
OFFICE SUPERVISION AND MANAGEMENT.	07.0401	0250
OIL & GAS DRILLING EQUIPMENT OPERATION AND MAINT.	47.0305	1680
OPERATION, MAINT. & REPAIR OF AUDIO-VISUAL EQUIP.	47.0405	1420
OPERATIONS RESEARCH (QUANTITATIVE METHODS)	06.1302	0130
OPHTHALMIC DISPENSING.	17.0701	0720
OPHTHALMIC MEDICAL ASSISTING.	17.0703	0560
OPTICAL TECHNOLOGY.	15.0606	1210
OPTOMETRIC TECHNOLOGY.	17.0705	0720
OPTOMETRY.	18.1201	0710
ORNAMENTAL HORTICULTURE.	01.0603	0080
ORTHOPEDIC ASSISTING.	17.0812	0790
ORTHOTICS AND PROSTHETICS ASSISTING	17.0810	0660
ORTHOTICS/PROSTHETICS.	17.0811	0790
OSTEOPATHIC MEDICINE.	18.1310	0510
OUTDOOR RECREATION.	31.0201	0460
PAINTING AND DECORATING.	46.0408	1470
PARKS AND RECREATION MANAGEMENT.	31.0301	0460
PARKS AND RECREATION, GENERAL.	31.0101	0460
PERSONAL SERVICES, GENERAL.	12.0401	0940
PERSONNEL & TRAINING PROGRAMS, GENERAL.	07.0501	0200
PERSONNEL ASSISTING.	07.0503	0200
PET GROOMING.	01.0504	0050
PETROLEUM ENGINEERING.	14.2501	1110
PETROLEUM TECHNOLOGY.	15.0903	1290
PETROLEUM WHOLESALING.	08.1204	0390
PHARMACOLOGY, HUMAN AND ANIMAL.	26.0705	1880
PHARMACY ASSISTING.	17.0507	0740
PHARMACY.	18.1401	0730
PHILOSOPHY.	38.0101	1890
PHOTOENGRAVING.	48.0210	1020
PHOTOGRAPHIC LABORATORY AND DARKROOM.	48.0207	0980
PHOTOGRAPHIC TECHNOLOGY.	10.0103	0990
PHYSICAL EDUCATION.	13.1314	1820
PHYSICAL SCIENCES, GENERAL.	40.0101	1870
PHYSICAL THERAPY AIDE.	17.0814	0660
PHYSICAL THERAPY ASSISTING.	17.0815	0660
PHYSICAL THERAPY.	17.0813	0650
PHYSICIAN ASSISTING.	17.0508	0550
PHYSICS, GENERAL.	40.0801	1870
PHYSIOLOGICAL PSYCHOLOGY.	42.1101	0760
PHYSIOLOGY, HUMAN AND ANIMAL.	26.0706	1880
PIPEFITTING AND STEAMFITTING.	46.0502	1490
PLANT PATHOLOGY.	26.0305	1880

Alphabetical Listing By PROGRAM TITLES

PROGRAM TITLES	CIP CODES	CLUSTER NO.
PLASTERING.	46.0409	1470
PLASTICS.	48.0604	1640
PLUMBING, PIPE/STEAMFITTING, GENERAL.	46.0501	1490
PLUMBING.	46.0503	1490
POLITICAL SCIENCE AND GOVERNMENT.	45.1001	1770
POSTAL SERVICES.	44.0605	0210
PRACTICAL NURSING.	17.0605	0530
PRE-ELEMENTARY EDUCATION.	13.1204	0800
PRE-LAW.	22.0102	1890
PRE-PHARMACY.	18.1901	1890
PRECISION FOOD PRODUCTION, GENERAL.	48.0401	0840
PRECISION METAL WORK, GENERAL.	48.0501	1590
PRINTING PRESS OPERATIONS.	48.0208	1020
PSYCHOLOGY, GENERAL.	42.0101	0760
PSYCHOLOGY, OTHER.	42.9999	0760
PSYCHOMETRICS.	42.1301	0760
PUBLIC ADMINISTRATION.	44.0401	0130
PUBLIC HEALTH PRACTICE AND MANAGEMENT.	18.2204	0780
PUBLIC RELATIONS	09.0501	0340
PUMPING PLANTS.	47.0504	1690
PURCHASING.	08.0704	0350
QUALITY CONTROL TECHNOLOGY.	15.0702	1260
RADIO & TV PRODUCTION & BROADCASTING TECHNOLOGY.	10.0104	0990
RADIO/TELEVISION, GENERAL.	09.0701	0990
RADIOLOGIC (MEDICAL) TECHNOLOGY.	17.0209	0670
READING EDUCATION.	13.1315	1820
REAL ESTATE.	06.1701	0330
RECEPTIONIST AND COMMUNICATION SYSTEMS OPERATION.	07.0707	0290
RECREATIONAL ENTERPRISES MANAGEMENT.	06.0702	0460
RECREATIONAL PRODUCTS MARKETING.	08.0904	0380
RECREATIONAL THERAPY AIDE.	17.0821	0660
RECREATIONAL THERAPY TECHNOLOGY.	17.0817	0700
RECREATIONAL THERAPY.	17.0816	0700
RECREATIONAL VEHICLES AND ACCESSSORIES MARKETING.	08.1205	0390
REHABILITATION COUNSELING.	17.0407	0770
REHABILITATION SERVICES.	17.0800	0660
RELIGION.	38.0201	1890
RELIGIOUS EDUCATION.	39.0401	1780
RELIGIOUS MUSIC	39.0501	1780
RESOURCES PROTECTION AND REGULATION.	03.0203	0090
RESPIRATORY THERAPY ASSISTING.	17.0819	0680
RESPIRATORY THERAPY TECHNOLOGY.	17.0210	0680
RESPIRATORY THERAPY.	17.0818	0680
RESTAURANT MANAGEMENT.	06.0704	0450
RETAILING.	08.0705	0380
ROBOTICS TECHNOLOGY.	15.0405	1180
ROOFING.	46.0410	1470
RUSSIAN AND SLAVIC STUDIES.	05.0110	1890
RUSSIAN.	16.0402	1910
SADDLEMAKING AND REPAIR.	48.0302	1550
SALES.	08.0706	0380

PROGRAM TITLES	CIP CODES	CLUSTER NO.
SANITATION TECHNOLOGY.	15.0504	1230
SCHOOL FOOD SERVICE.	20.0408	0840
SCHOOL PSYCHOLOGY.	13.0801	1800
SCIENCE EDUCATION.	13.1316	1820
SECONDARY EDUCATION.	13.1205	1820
SECRETARIAL & RELATED PROGRAMS, GENERAL.	07.0601	0260
SECRETARIAL.	07.0606	0260
SECURITY SERVICES.	43.0109	0960
SERVICE STATION RETAILING.	08.1206	0390
SHEET METAL.	48.0506	1600
SHIPPING, RECEIVING, AND STOCK CLERK.	07.0708	0300
SHOE AND BOOT REPAIR.	48.0304	1550
SILK SCREEN MAKING AND PRINTING.	48.0209	1020
SLAUGHTERING AND BUTCHERING.	48.0403	0860
SMALL APPLIANCE REPAIR.	47.0108	1430
SMALL ENGINE REPAIR.	47.0606	1410
SOCIAL SCIENCE EDUCATION.	13.1317	1820
SOCIAL SCIENCES, GENERAL.	45.0101	1770
SOCIAL SCIENCES, OTHER.	45.9999	1770
SOCIAL STUDIES EDUCATION.	13.1318	1820
SOCIAL WORK, GENERAL.	44.0701	0770
SOCIOLOGY.	45.1101	1770
SOIL AND WATER MECHANICAL PRACTICES.	01.0206	0020
SOIL SCIENCE.	02.0501	0020
SOUND RECORDING TECHNOLOGY.	10.0105	0990
SPANISH.	16.0905	1910
SPECIAL EDUCATION, GENERAL.	13.1001	1830
SPECIALTY HOME FURNISHINGS MARKETING.	08.0808	0380
SPECIFIC LEARNING DISABILITIES.	13.1011	1830
SPEECH CORRECTION.	13.1012	1830
SPEECH PATHOLOGY.	18.0102	0690
SPEECH, DEBATE, AND FORENSICS.	23.1001	1900
SPEECH/HEARING THERAPY AIDE.	17.0820	0660
SPORTING GOODS EQUIPMENT REPAIR.	47.0407	1530
STATIONARY ENERGY SOURCES, GENERAL.	47.0501	1220
STATISTICS.	27.0501	1750
STENOGRAPHIC.	07.0607	0240
STUDENT COUNSELING AND PERSONNEL SERVICES.	13.1101	1800
SURGICAL TECHNOLOGY.	17.0211	0620
SURVEYING AND MAPPING TECHNOLOGY.	15.0203	1140
SYSTEMS ANALYSIS.	11.0501	0140
TEACHER ASSISTING.	13.1501	1840
TEACHER EDUCATION, SPECIFIC SUBJECT AREA, OTHER.	13.1399	1820
TECHNICAL EDUCATION.	13.1319	1810
TELLER.	07.0205	0190
TEXTILE TECHNOLOGY.	15.0609	1320
TEXTILES AND CLOTHING, GENERAL.	19.0901	0820
TEXTILES AND CLOTHING, OTHER.	19.0999	0820
THEOLOGICAL STUDIES.	39.0601	1780
THEOLOGY, OTHER	39.9999	1780
TILE SETTING.	46.0103	1480

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PROGRAM TITLES	CIP CODES	CLUSTER NO.
TOOL AND DIE MAKING.	48.0507	1590
TOURISM.	08.1104	0430
TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT.	06.2001	1360
TRAFFIC, RATE, AND TRANSPORTATION CLERK.	07.0709	0280
TRAINING ASSISTING.	07.0502	1840
TRANSPORTATION & TRAVEL MKTG, GENERAL.	08.1101	0430
TRANSPORTATION MANAGEMENT.	06.0705	0420
TRANSPORTATION MARKETING.	08.1102	0430
TRAVEL SERVICES MARKETING.	08.1105	0430
TRUCK AND BUS DRIVING.	49.0205	1710
TURF MANAGEMENT.	01.0607	0070
TYPING, GENERAL OFFICE & REL. PROGRAMS, GENERAL.	07.0701	0280
UPHOLSTERING.	48.0303	1560
URBAN PLANNING TECHNOLOGY.	15.0204	1150
URBAN STUDIES.	45.1201	1770
VEHICLE RENTAL AND LEASING.	08.1207	0390
VENDING AND RECREATIONAL MACHINE REPAIR.	47.0109	1430
VETERINARIAN ASSISTING.	17.0512	0120
VETERINARY MEDICINE.	18.2401	0110
VIDEO TECHNOLOGY.	10.0106	0990
WAITER/WAITRESS AND RELATED SERVICES.	08.0905	0840
WATCH REPAIR.	47.0408	1540
WATER AND WASTEWATER TECHNOLOGY.	15.0506	1230
WEDDING/SPECIALTY CONSULTING.	20.0308	0400
WELDING TECHNOLOGY.	15.0610	1570
WELDING, BRAZING, AND SOLDERING.	48.0508	1570
WHOLESALE FOOD MARKETING.	08.0605	0380
WHOLESALING.	08.0707	0380
WILDLIFE MANAGEMENT.	03.0601	0030
WOODWORKING, GENERAL.	48.0701	1650
WORD PROCESSING.	07.0801	0270
ZOOLOGY, GENERAL.	26.0701	1880

CIP CODES	CLUSTER TITLE	CLUSTER NO.
01.0101	AGRICULTURAL BUSINESS & MGMT., GENERAL.	0010
01.0102	AGRICULTURAL BUSINESS.	0010
01.0103	AGRICULTURAL ECONOMICS.	0010
01.0104	FARM AND RANCH MANAGEMENT.	0010
01.0201	AGRICULTURAL MECHANICS, GENERAL.	0040
01.0202	AGRICULTURAL ELECTRIFICATION, POWER AND CONTROLS	0040
01.0203	AGRICULTURAL MECHANICS, CONSTRUCTION, AND MAINT.	0040
01.0204	AGRICULTURAL POWER MACHINERY.	0040
01.0205	AGRICULTURAL STRUCTURES, EQUIP. & FACILITIES	0040
01.0206	SOIL AND WATER MECHANICAL PRACTICES.	0020
01.0301	AGRICULTURAL PRODUCTION, GENERAL.	0020
01.0302	ANIMAL PRODUCTION.	0020
01.0304	CROP PRODUCTION.	0020
01.0401	AGRICULTURAL PRODUCTS & PROCESSING, GENERAL.	0850
01.0402	FOOD PRODUCTS.	0850
01.0501	AGRICULTURAL SERVICES & SUPPLIES, GENERAL.	0050
01.0502	AGRICULTURAL SERVICES.	0050
01.0503	AGRICULTURAL SUPPLIES MARKETING.	0060
01.0504	PET GROOMING.	0050
01.0505	ANIMAL TRAINING.	0050
01.0506	HORSESHOEING.	0050
01.0507	HORSE HANDLING AND CARE.	0120
01.0601	HORTICULTURE, GENERAL.	0070
01.0602	ARBORICULTURE.	0070
01.0603	ORNAMENTAL HORTICULTURE.	0080
01.0604	GREENHOUSE OPERATION AND MANAGEMENT.	0070
01.0605	LANDSCAPING.	0070
01.0606	NURSERY OPERATION AND MANAGEMENT.	0070
01.0607	TURF MANAGEMENT.	0070
01.9999	AGRIBUSINESS AND AGRICULTURAL PRODUCTION, OTHER	0020
02.0101	AGRICULTURAL SCIENCES, GENERAL.	0020
02.0201	ANIMAL SCIENCES, GENERAL.	0020
02.0206	DAIRY.	0020
02.0301	FOOD SCIENCES.	1880
02.0402	AGRONOMY.	0020
02.0403	HORTICULTURE SCIENCE.	0070
02.0501	SOIL SCIENCE.	0020
03.0203	RESOURCES PROTECTION AND REGULATION.	0090
03.0401	FORESTRY PRODUCTION & PROCESSING, GENERAL.	0100
03.0402	FOREST PRODUCTION.	0100
03.0403	FOREST PRODUCTS UTILIZATION.	0100
03.0404	FOREST PRODUCTS PROCESSING TECHNOLOGY.	0100
03.0405	LOGGING.	0100
03.0501	FORESTRY AND RELATED SCIENCES, GENERAL.	0090
03.0601	WILDLIFE MANAGEMENT.	0030
04.0201	ARCHITECTURE.	1760
04.0301	CITY, COMMUNITY, AND REGIONAL PLANNING.	1150
04.0401	ENVIRONMENTAL DESIGN.	1760
04.0501	INTERIOR DESIGN.	0890
04.0601	LANDSCAPE ARCHITECTURE.	1760
05.0106	EUROPEAN STUDIES, GENERAL.	1890

Numerical Listing By CIP CODES

CIP CODES	CLUSTER TITLE	CLUSTER NO.
05.0107	LATIN AMERICAN STUDIES.	1890
05.0110	RUSSIAN AND SLAVIC STUDIES.	1890
05.0202	AMERICAN INDIAN STUDIES.	1890
06.0101	BUSINESS AND MANAGEMENT, GENERAL	0130
06.0201	ACCOUNTING.	0180
06.0301	BANKING AND FINANCE.	0190
06.0401	BUSINESS ADMINISTRATION AND MANAGEMENT, GENERAL.	0130
06.0501	BUSINESS ECONOMICS	0130
06.0701	HOTEL/MOTEL MANAGEMENT.	0440
06.0702	RECREATIONAL ENTERPRISES MANAGEMENT.	0460
06.0704	RESTAURANT MANAGEMENT.	0450
06.0705	TRANSPORTATION MANAGEMENT.	0420
06.0801	INSURANCE AND RISK MANAGEMENT	0320
06.1302	OPERATIONS RESEARCH (QUANTITATIVE METHODS)	0130
06.1303	MANAGEMENT SCIENCE, GENERAL.	0130
06.1401	MARKETING MANAGEMENT.	0380
06.1701	REAL ESTATE.	0330
06.2001	TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT.	1360
07.0101	ACCOUNTING, BOOKKEEPING & REL. PROGRAMS,GENERAL.	0180
07.0102	ACCOUNTING AND COMPUTING.	0180
07.0103	BOOKKEEPING.	0180
07.0104	MACHINE BILLING, BOOKKEEPING, AND COMPUTING.	0180
07.0203	INSURANCE CLERK.	0310
07.0205	TELLER.	0190
07.0301	BUSINESS DATA PROGRAMMING AND REL. PROG., GENERAL.	0150
07.0302	BUSINESS COMPUTER AND CONSOLE OPERATION.	0160
07.0303	BUSINESS DATA ENTRY EQUIPMENT OPERATION.	0170
07.0304	BUSINESS DATA PERIPHERAL EQUIPMENT OPERATION.	0160
07.0305	BUSINESS DATA PROGRAMMING.	0150
07.0306	BUSINESS SYSTEMS ANALYSIS.	0140
07.0401	OFFICE SUPERVISION AND MANAGEMENT.	0250
07.0501	PERSONNEL & TRAINING PROGRAMS, GENERAL.	0200
07.0502	TRAINING ASSISTING.	1840
07.0503	PERSONNEL ASSISTING.	0200
07.0601	SECRETARIAL & RELATED PROGRAMS, GENERAL.	0260
07.0602	COURT REPORTING.	0240
07.0603	EXECUTIVE SECRETARIAL.	0260
07.0604	LEGAL SECRETARIAL.	0260
07.0605	MEDICAL SECRETARIAL.	0260
07.0606	SECRETARIAL.	0260
07.0607	STENOGRAPHIC.	0240
07.0701	TYPING, GENERAL OFFICE & REL. PROGRAMS, GENERAL.	0280
07.0702	CLERK-TYPIST.	0270
07.0703	CORRESPONDENCE CLERK.	0280
07.0704	DUPLICATING MACHINE OPERATION.	0280
07.0705	GENERAL OFFICE CLERK.	0280
07.0707	RECEPTIONIST AND COMMUNICATION SYSTEMS OPERATION.	0290
07.0708	SHIPPING, RECEIVING, AND STOCK CLERK.	0300
07.0709	TRAFFIC, RATE, AND TRANSPORTATION CLERK.	0280
07.0801	WORD PROCESSING.	0270
07.9999	BUSINESS (ADMINISTRATIVE SUPPORT), OTHER.	0280

Numerical Listing By CIP CODES

CIP CODES	CLUSTER TITLE	CLUSTER NO.
08.0101	APPAREL & ACCESSORIES MKTG, GENERAL	0400
08.0102	FASHION MERCHANDISING.	0400
08.0201	BUSINESS & PERSONAL SERVICES MKTG, GENERAL.	0370
08.0203	MARKETING OF BUSINESS OR PERSONAL SERVICES.	0370
08.0301	ENTREPRENEURSHIP	0380
08.0401	FINANCIAL SERVICES MARKETING.	0360
08.0502	FARM AND GARDEN SUPPLIES MARKETING.	0380
08.0503	FLORISTRY.	0080
08.0601	FOOD MARKETING, GENERAL.	0380
08.0605	WHOLESALE FOOD MARKETING.	0380
08.0701	AUCTIONEERING	0380
08.0702	INDUSTRIAL SALES.	0410
08.0703	INTERNATIONAL MARKETING.	0380
08.0704	PURCHASING.	0350
08.0705	RETAILING.	0380
08.0706	SALES.	0380
08.0707	WHOLESALING.	0380
08.0708	MARKETING, GENERAL.	0380
08.0801	HOME & OFFICE PRODUCTS MKTG, GENERAL.	0380
08.0802	APPLIANCE MARKETING.	0380
08.0803	BUILDING MATERIALS MARKETING.	0380
08.0805	FURNITURE MARKETING.	0380
08.0806	HARDWARE MARKETING.	0380
08.0807	OFFICE PRODUCTS AND EQUIPMENT MARKETING.	0410
08.0808	SPECIALTY HOME FURNISHINGS MARKETING.	0380
08.0901	HOSPITALITY & RECREATION MARKETING, GENERAL.	0440
08.0902	MARKETING OF HOTEL/MOTEL SERVICES.	0440
08.0903	MARKETING OF RECREATIONAL SERVICES.	0460
08.0904	RECREATIONAL PRODUCTS MARKETING.	0380
08.0905	WAITER/WAITRESS AND RELATED SERVICES.	0840
08.1001	INSURANCE MARKETING.	0320
08.1101	TRANSPORTATION & TRAVEL MKTG, GENERAL.	0430
08.1102	TRANSPORTATION MARKETING.	0430
08.1104	TOURISM.	0430
08.1105	TRAVEL SERVICES MARKETING.	0430
08.1203	AUTOMOTIVE VEHICLES AND ACCESSORIES MARKETING.	0390
08.1204	PETROLEUM WHOLESALING.	0390
08.1205	RECREATIONAL VEHICLES AND ACCESSSORIES MARKETING.	0390
08.1206	SERVICE STATION RETAILING.	0390
08.1207	VEHICLE RENTAL AND LEASING.	0390
08.1301	CASHIER CHECKER	0380
08.9999	MARKETING AND DISTRIBUTION, OTHER	0380
09.0101	COMMUNICATIONS, GENERAL.	1000
09.0201	ADVERTISING.	0340
09.0401	JOURNALISM (MASS COMMUNICATIONS).	1000
09.0501	PUBLIC RELATIONS	0340
09.0701	RADIO/TELEVISION, GENERAL.	0990
10.0102	MOTION PICTURE TECHNOLOGY.	0990
10.0103	PHOTOGRAPHIC TECHNOLOGY.	0990
10.0104	RADIO & TV PRODUCTION & BROADCASTING TECHNOLOGY.	0990
10.0105	SOUND RECORDING TECHNOLOGY.	0990

Numerical Listing By CIP CODES

CIP CODES	CLUSTER TITLE	CLUSTER NO.
10.0106	VIDEO TECHNOLOGY.	0990
10.0199	COMMUNICATION TECHNOLOGIES, OTHER.	1000
11.0101	COMPUTER AND INFORMATION SCIENCES, GENERAL	0150
11.0401	INFORMATION SCIENCES AND SYSTEMS	0160
11.0501	SYSTEMS ANALYSIS.	0140
12.0101	DRYCLEANING & LAUNDERING SERVICES.	0930
12.0202	BARTENDING	0840
12.0301	FUNERAL SERVICES. (MORTUARY SCIENCE TECHNOLOGY)	0950
12.0401	PERSONAL SERVICES, GENERAL.	0940
12.0402	BARBERING/HAIRSTYLING.	0940
12.0403	COSMETOLOGY.	0940
13.0101	EDUCATION, GENERAL.	1820
13.0301	CURRICULUM AND INSTRUCTION	1800
13.0401	EDUCATION ADMINISTRATION, GENERAL.	1800
13.0406	HIGHER EDUCATION ADMINSTRATION.	1800
13.0407	COMMUNITY COLLEGE EDUCATION ADMINISTRATION.	1800
13.0604	EDUCATIONAL TESTING EVALUATION AND MEASUREMENT.	1800
13.0801	SCHOOL PSYCHOLOGY.	1800
13.1001	SPECIAL EDUCATION, GENERAL.	1830
13.1003	EDUCATION OF THE DEAF AND HEARING IMPAIRED	1830
13.1005	EDUCATION OF THE EMOTIONALLY HANDICAPPED.	1830
13.1006	EDUCATION OF THE MENTALLY HANDICAPPED.	1830
13.1007	EDUCATION OF THE MULTIPLE HANDICAPPED.	1830
13.1008	EDUCATION OF THE PHYSICALLY HANDICAPPED.	1830
13.1011	SPECIFIC LEARNING DISABILITIES.	1830
13.1012	SPEECH CORRECTION.	1830
13.1101	STUDENT COUNSELING AND PERSONNEL SERVICES.	1800
13.1201	ADULT AND CONTINUING EDUCATION.	1810
13.1202	ELEMENTARY EDUCATION.	1820
13.1204	PRE-ELEMENTARY EDUCATION.	0800
13.1205	SECONDARY EDUCATION.	1820
13.1301	AGRICULTURAL EDUCATION.	1820
13.1302	ART EDUCATION.	1820
13.1303	BUSINESS EDUCATION.	1820
13.1304	DRIVER AND SAFETY EDUCATION.	1820
13.1305	ENGLISH EDUCATION.	1820
13.1307	HEALTH EDUCATION.	1820
13.1308	HOME ECONOMICS EDUCATION.	1820
13.1311	MATHEMATICAL EDUCATION.	1820
13.1312	MUSIC EDUCATION.	1820
13.1314	PHYSICAL EDUCATION.	1820
13.1315	READING EDUCATION.	1820
13.1316	SCIENCE EDUCATION.	1820
13.1317	SOCIAL SCIENCE EDUCATION.	1820
13.1318	SOCIAL STUDIES EDUCATION.	1820
13.1319	TECHNICAL EDUCATION.	1810
13.1399	TEACHER EDUCATION, SPECIFIC SUBJECT AREA, OTHER.	1820
13.1501	TEACHER ASSISTING.	1840
13.9999	EDUCATION, OTHER.	1820
14.0101	ENGINEERING, GENERAL.	1120
14.0201	AEROSPACE, AERONAUTICAL, & ASTRO. ENGINEERING.	1115

Numerical Listing By CIP CODES

CIP CODES	CLUSTER TITLE	CLUSTER NO.
14.0301	AGRICULTURAL ENGINEERING.	1100
14.0401	ARCHITECTURAL ENGINEERING.	1120
14.0701	CHEMICAL ENGINEERING.	1040
14.0801	CIVIL ENGINEERING.	1050
14.1001	ELECTRICAL, ELECTRONICS, AND COMMUNICATIONS ENGIN.	1060
14.1201	ENGINEERING PHYSICS.	1120
14.1401	ENVIRONMENTAL HEALTH ENGINEERING.	1120
14.1501	GEOLOGICAL ENGINEERING.	1120
14.1701	INDUSTRIAL ENGINEERING.	1070
14.1801	MATERIALS ENGINEERING.	1120
14.1901	MECHANICAL ENGINEERING.	1080
14.2001	METALLURGICAL ENGINEERING.	1090
14.2301	NUCLEAR ENGINEERING.	1120
14.2501	PETROLEUM ENGINEERING.	1110
14.9999	ENGINEERING, OTHER.	1120
15.0101	ARCHITECTURAL DESIGN AND CONSTRUCTION TECHNOLOGY.	1130
15.0201	CIVIL TECHNOLOGY.	1140
15.0202	DRAFTING AND DESIGN TECHNOLOGY.	1130
15.0203	SURVEYING AND MAPPING TECHNOLOGY.	1140
15.0204	URBAN PLANNING TECHNOLOGY.	1150
15.0301	COMPUTER TECHNOLOGY.	1160
15.0302	ELECTRICAL TECHNOLOGY.	1160
15.0303	ELECTRONIC TECHNOLOGY.	1160
15.0401	BIOMEDICAL EQUIPMENT TECHNOLOGY.	1200
15.0402	COMPUTER SERVICING TECHNOLOGY.	1170
15.0403	ELECTROMECHANICAL TECHNOLOGY.	1180
15.0404	INSTRUMENTATION TECHNOLOGY.	1180
15.0405	ROBOTICS TECHNOLOGY.	1180
15.0501	AIR COND., HEATING, AND REFRIGERATION TECHNOLOGY.	1190
15.0504	SANITATION TECHNOLOGY.	1230
15.0506	WATER AND WASTEWATER TECHNOLOGY.	1230
15.0602	FOOD PROCESSING TECHNOLOGY.	0850
15.0603	INDUSTRIAL TECHNOLOGY.	1250
15.0606	OPTICAL TECHNOLOGY.	1210
15.0609	TEXTILE TECHNOLOGY.	1320
15.0610	WELDING TECHNOLOGY.	1570
15.0701	OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY.	1270
15.0702	QUALITY CONTROL TECHNOLOGY.	1260
15.0801	AERONAUTICAL TECHNOLOGY.	1330
15.0803	AUTOMOTIVE TECHNOLOGY.	1370
15.0805	MECHANICAL DESIGN TECHNOLOGY.	1130
15.0901	COAL MINING TECHNOLOGY.	1280
15.0902	MINING (EXCLUDING COAL) TECHNOLOGY.	1280
15.0903	PETROLEUM TECHNOLOGY.	1290
15.1001	CONSTRUCTION TECHNOLOGY.	1470
16.0101	FOREIGN LANGUAGES, MULTIPLE EMPHASIS.	1910
16.0402	RUSSIAN.	1910
16.0501	GERMAN.	1910
16.0901	FRENCH.	1910
16.0903	LATIN.	1910
16.0905	SPANISH.	1910

Numerical Listing By CIP CODES

CIP CODES	CLUSTER TITLE	CLUSTER NO.
17.0101	DENTAL ASSISTING.	0480
17.0102	DENTAL HYGIENE.	0490
17.0103	DENTAL LABORATORY TECHNOLOGY.	0500
17.0201	CARDIOVASCULAR TECHNOLOGY.	0790
17.0203	ELECTROCARDIOGRAPH TECHNOLOGY.	0570
17.0204	ELECTROENCEPHALOGRAPH TECHNOLOGY.	0580
17.0205	EMERGENCY MEDICAL TECHNOLOGY - AMBULANCE.	0590
17.0206	EMERGENCY MEDICAL TECHNOLOGY - PARAMEDIC.	0590
17.0209	RADIOLOGIC (MEDICAL) TECHNOLOGY.	0670
17.0210	RESPIRATORY THERAPY TECHNOLOGY.	0680
17.0211	SURGICAL TECHNOLOGY.	0620
17.0212	DIAGNOSTIC MEDICAL SONOGRAPHY.	0790
17.0303	CLINCAL ANIMAL TECHNOLOGY.	0120
17.0305	CLINICAL LABORATORY ASSISTING.	0600
17.0307	HEMATOLOGY TECHNOLOGY.	0600
17.0308	HISTOLOGIC TECHNOLOGY.	0600
17.0309	MEDICAL LABORATORY TECHNOLOGY.	0600
17.0310	MEDICAL TECHNOLOGY.	0600
17.0402	COMMUNITY HEALTH WORK.	0770
17.0404	HOME HEALTH AIDE.	0540
17.0405	MENTAL HEALTH/HUMAN SERVICES ASSISTING.	0770
17.0406	MENTAL HEALTH/HUMAN SERVICES TECHNOLOGY.	0770
17.0407	REHABILITATION COUNSELING.	0770
17.0502	CENTRAL SUPPLY TECHNOLOGY.	0790
17.0503	MEDICAL ASSISTING.	0560
17.0505	MEDICAL OFFICE MANAGEMENT.	0560
17.0506	MEDICAL RECORDS TECHNOLOGY.	0610
17.0507	PHARMACY ASSISTING.	0740
17.0508	PHYSICIAN ASSISTING.	0550
17.0512	VETERINARIAN ASSISTING.	0120
17.0513	HEALTH UNIT COORDINATING.	0750
17.0601	GERIATRIC AIDE.	0540
17.0602	NURSING ASSISTING.	0540
17.0605	PRACTICAL NURSING.	0530
17.0606	HEALTH UNIT MANAGEMENT.	0750
17.0701	OPHTHALMIC DISPENSING.	0720
17.0703	OPHTHALMIC MEDICAL ASSISTING.	0560
17.0705	OPTOMETRIC TECHNOLOGY.	0720
17.0800	REHABILITATION SERVICES.	0660
17.0807	OCCUPATIONAL THERAPY.	0630
17.0808	OCCUPATIONAL THERAPY ASSISTING.	0640
17.0809	OCCUPATIONAL THERAPY AIDE.	0640
17.0810	ORTHOTICS AND PROSTHETICS ASSISTING	0660
17.0811	ORTHOTICS/PROSTHETICS.	0790
17.0812	ORTHOPEDIC ASSISTING.	0790
17.0813	PHYSICAL THERAPY.	0650
17.0814	PHYSICAL THERAPY AIDE.	0660
17.0815	PHYSICAL THERAPY ASSISTING.	0660
17.0816	RECREATIONAL THERAPY.	0700
17.0817	RECREATIONAL THERAPY TECHNOLOGY.	0700
17.0818	RESPIRATORY THERAPY.	0680

CIP CODES	CLUSTER TITLE	CLUSTER NO.
17.0819	RESPIRATORY THERAPY ASSISTING.	0680
17.0820	SPEECH/HEARING THERAPY AIDE.	0660
17.0821	RECREATIONAL THERAPY AIDE.	0660
17.9999	ALLIED HEALTH, OTHER	0790
18.0102	SPEECH PATHOLOGY.	0690
18.0401	DENTISTRY, GENERAL.	0470
18.0701	HEALTH SERVICES ADMINISTRATION.	0750
18.0703	MEDICAL RECORDS ADMINISTRATION.	0610
18.1001	MEDICINE, GENERAL.	0510
18.1101	NURSING, GENERAL.	0520
18.1201	OPTOMETRY.	0710
18.1310	OSTEOPATHIC MEDICINE.	0510
18.1401	PHARMACY.	0730
18.1901	PRE-PHARMACY.	1890
18.2204	PUBLIC HEALTH PRACTICE AND MANAGEMENT.	0780
18.2401	VETERINARY MEDICINE.	0110
18.9999	HEALTH SCIENCES, OTHER.	0780
19.0501	FOOD SCIENCES AND HUMAN NUTRITION, GENERAL.	0870
19.0602	HOUSEHOLD EQUIPMENT.	0890
19.0704	FAMILY RELATIONS	0800
19.0901	TEXTILES AND CLOTHING, GENERAL.	0820
19.0999	TEXTILES AND CLOTHING, OTHER.	0820
20.0102	CHILD DEVELOPMENT, CARE, AND GUIDANCE.	0800
20.0201	CHILDCARE AND GUIDANCE MANAGEMENT.	0800
20.0202	CHILD CARE AIDE/ASSISTING.	0810
20.0203	CHILD CARE MANAGEMENT.	0800
20.0204	FOSTER CARE/FAMILY CARE.	0810
20.0301	CLOTHING,APPAREL & TEXTILES MGMT, GENERAL.	0820
20.0302	CLOTHING MAINTENANCE AIDE.	0830
20.0303	COMMERCIAL GARMENT AND APPAREL CONSTRUCTION.	0820
20.0304	CUSTOM APPAREL/GARMENT SEAMSTRESS.	0830
20.0305	CUSTOM TAILORING AND ALTERATION.	0830
20.0306	FASHION/FABRIC COORDINATION.	0400
20.0308	WEDDING/SPECIALTY CONSULTING.	0400
20.0401	FOOD PRODUCTION, MGMT. & SERVICES, GENERAL.	0840
20.0402	BAKING.	0840
20.0403	CHEF/COOK.	0840
20.0404	DIETETIC AIDE/ASSISTING.	0880
20.0405	FOOD CATERING.	0840
20.0406	FOOD SERVICE.	0840
20.0408	SCHOOL FOOD SERVICE.	0840
20.0501	HOME FURNISHING AND EQUIPMENT MANAGEMENT	0900
20.0502	CUSTOM DRAPERY AND WINDOW TREATMENT DESIGN/MAKING.	0900
20.0503	CUSTOM SLIPCOVERING AND UPHOLSTERING.	0900
20.0504	FLORAL DESIGN.	0080
20.0505	HOME DECORATING.	0890
20.0506	HOME FURNISHINGS AIDE.	0900
20.0601	INSTITUTION,HOME MGMT & SUPPORT SVCS, GENERAL.	0910
20.0602	COMPANION TO THE AGED.	0920
20.0604	CUSTODIAL SERVICES.	0910
20.0605	EXECUTIVE HOUSEKEEPING.	0910

Numerical Listing By CIP CODES

CIP CODES	CLUSTER TITLE	CLUSTER NO.
20.0606	HOMEMAKERS AIDE.	0920
22.0101	LAW.	0220
22.0102	PRE-LAW.	1890
22.0103	LEGAL ASSISTING.	0230
23.0101	ENGLISH, GENERAL.	1900
23.0201	CLASSICS.	1900
23.0301	COMPARATIVE LITERATURE.	1900
23.0501	CREATIVE WRITING	1900
23.1001	SPEECH, DEBATE, AND FORENSICS.	1900
23.9999	LETTERS, OTHER.	1900
24.0101	LIBERAL ARTS & SCIENCES.	1890
24.0102	GENERAL STUDIES.	1890
25.0101	LIBRARY AND ARCHIVAL SCIENCES, GENERAL.	1850
25.0301	LIBRARY ASSISTING.	1860
25.9999	LIBRARY AND ARCHIVAL SCIENCES, OTHER.	1850
26.0101	BIOLOGY, GENERAL.	1880
26.0201	BIOCHEMISTRY AND BIOPHYSICS.	1880
26.0301	BOTANY, GENERAL.	1880
26.0305	PLANT PATHOLOGY.	1880
26.0501	MICROBIOLOGY.	1880
26.0601	ANATOMY.	1880
26.0603	ECOLOGY.	1880
26.0701	ZOOLOGY, GENERAL.	1880
26.0702	ENTOMOLOGY.	1880
26.0705	PHARMACOLOGY, HUMAN AND ANIMAL.	1880
26.0706	PHYSIOLOGY, HUMAN AND ANIMAL.	1880
26.9999	LIFE SCIENCES, OTHER.	1880
27.0101	MATHEMATICS, GENERAL.	1750
27.0301	APPLIED MATHEMATICS.	1750
27.0501	STATISTICS.	1750
30.0401	HUMANITIES AND SOCIAL SCIENCE.	1890
31.0101	PARKS AND RECREATION, GENERAL.	0460
31.0201	OUTDOOR RECREATION.	0460
31.0301	PARKS AND RECREATION MANAGEMENT.	0460
36.0101	LEISURE AND RECREATIONAL ACTIVITIES, GENERAL.	0460
38.0101	PHILOSOPHY.	1890
38.0201	RELIGION.	1890
39.0301	MISSIONARY STUDIES	1780
39.0401	RELIGIOUS EDUCATION.	1780
39.0501	RELIGIOUS MUSIC	1780
39.0601	THEOLOGICAL STUDIES.	1780
39.9999	THEOLOGY, OTHER	1780
40.0101	PHYSICAL SCIENCES, GENERAL.	1870
40.0201	ASTRONOMY.	1870
40.0301	ASTROPHYSICS.	1870
40.0401	ATMOSPHERIC SCIENCES AND METEOROLOGY.	1870
40.0501	CHEMISTRY, GENERAL.	1870
40.0601	GEOLOGY.	1870
40.0603	GEOPHYSICS AND SEISMOLOGY.	1870
40.0801	PHYSICS, GENERAL.	1870
41.0301	CHEMICAL TECHNOLOGY.	1240

CIP CODES	CLUSTER TITLE	CLUSTER NO.
41.0302	GEOLOGICAL TECHNOLOGY.	1300
42.0101	PSYCHOLOGY, GENERAL.	0760
42.0201	CLINICAL PSYCHOLOGY.	0760
42.0601	COUNSELING PSYCHOLOGY.	0760
42.0901	INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY.	0760
42.1101	PHYSIOLOGICAL PSYCHOLOGY.	0760
42.1301	PSYCHOMETRICS.	0760
42.9999	PSYCHOLOGY, OTHER.	0760
43.0101	CORRECTIONAL ADMINISTRATION.	0960
43.0102	CORRECTIONS.	0960
43.0104	CRIMINAL JUSTICE STUDIES.	0960
43.0105	CRIMINAL JUSTICE TECHNOLOGY.	0960
43.0107	LAW ENFORCEMENT.	0960
43.0109	SECURITY SERVICES.	0960
43.0201	FIRE CONTROL AND SAFETY TECHNOLOGY.	0970
43.0203	FIREFIGHTING.	0970
44.0201	COMMUNITY SERVICES.	0770
44.0401	PUBLIC ADMINISTRATION.	0130
44.0605	POSTAL SERVICES.	0210
44.0701	SOCIAL WORK, GENERAL.	0770
45.0101	SOCIAL SCIENCES, GENERAL.	1770
45.0201	ANTHROPOLOGY.	1770
45.0401	CRIMINOLOGY.	1770
45.0601	ECONOMICS.	1770
45.0701	GEOGRAPHY.	1770
45.0801	HISTORY.	1770
45.1001	POLITICAL SCIENCE AND GOVERNMENT.	1770
45.1101	SOCIOLOGY.	1770
45.1201	URBAN STUDIES.	1770
45.9999	SOCIAL SCIENCES, OTHER.	1770
46.0102	BRICK, BLOCK, AND STONEMASONRY.	1480
46.0103	TILE SETTING.	1480
46.0201	CARPENTRY.	1470
46.0301	ELECTRICAL & POWER TRANSMISSION INSTLTN, GENERAL.	1460
46.0302	ELECTRICIAN.	1460
46.0303	LINEWORKER.	1460
46.0401	BUILDING AND PROPERTY MAINTENANCE.	1500
46.0402	CONCRETE PLACING AND FINISHING.	1470
46.0402	MAINTANCE/BUILDING AND GROUNDS	1500
46.0403	CONSTRUCTION INSPECTION.	1470
46.0404	DRYWALL INSTALLATION.	1470
46.0405	FLOOR COVERING INSTALLATION.	1470
46.0406	GLAZING.	1470
46.0407	INSULATION INSTALLATION.	1470
46.0408	PAINTING AND DECORATING.	1470
46.0409	PLASTERING.	1470
46.0410	ROOFING.	1470
46.0501	PLUMBING, PIPE/STEAMFITTING, GENERAL.	1490
46.0502	PIPEFITTING AND STEAMFITTING.	1490
46.0503	PLUMBING.	1490
47.0101	ELECTRICAL EQUIPMENT REPAIR, GENERAL.	1430

CIP CODES	CLUSTER TITLE	CLUSTER NO.
47.0102	BUSINESS MACHINE REPAIR.	1170
47.0103	COMMUNICATIONS ELECTRONICS.	1420
47.0104	COMPUTER ELECTRONICS.	1170
47.0105	INDUSTRIAL ELECTRONICS.	1170
47.0106	MAJOR APPLIANCE REPAIR.	1430
47.0107	MOTOR REPAIR.	1430
47.0108	SMALL APPLIANCE REPAIR.	1430
47.0109	VENDING AND RECREATIONAL MACHINE REPAIR.	1430
47.0120	AVIONICS.	1160
47.0201	AIR CONDITIONING & REFRIGERATION.	1190
47.0202	COOLING AND REFRIGERATION.	1190
47.0203	HEATING AND AIR CONDITIONING.	1190
47.0302	HEAVY EQUIPMENT MAINTENANCE AND REPAIR.	1440
47.0303	INDUSTRIAL MACHINERY MAINTENANCE AND REPAIR.	1450
47.0304	MINE EQUIPMENT MAINTENANCE AND REPAIR.	1450
47.0305	OIL & GAS DRILLING EQUIPMENT OPERATION AND MAINT.	1680
47.0401	ELECTROMECHANICAL, HYDRAULIC, AND PNEUMATIC INSTR.	1180
47.0403	LOCKSMITHING AND SAFE REPAIR.	1510
47.0404	MUSICAL INSTRUMENT REPAIR.	1520
47.0405	OPERATION, MAINT. & REPAIR OF AUDIO-VISUAL EQUIP.	1420
47.0407	SPORTING GOODS EQUIPMENT REPAIR.	1530
47.0408	WATCH REPAIR.	1540
47.0501	STATIONARY ENERGY SOURCES, GENERAL.	1220
47.0502	CONVENTIONAL ELECTRIC POWER GENERATION.	1220
47.0504	PUMPING PLANTS.	1690
47.0602	AIRCRAFT MECHANICS, GENERAL.	1390
47.0603	AUTOMOTIVE BODY REPAIR.	1380
47.0604	AUTOMOTIVE MECHANICS.	1370
47.0605	DIESEL ENGINE MECHANICS.	1400
47.0606	SMALL ENGINE REPAIR.	1410
47.0607	AIRCRAFT MECHANICS, AIRFRAME.	1390
47.0608	AIRCRAFT MECHANICS, POWERPLANT.	1390
48.0101	DRAFTING, GENERAL.	1130
48.0102	ARCHITECTURAL DRAFTING.	1130
48.0103	CIVIL/STRUCTURAL DRAFTING.	1130
48.0104	ELECTRICAL/ELECTRONICS DRAFTING.	1130
48.0105	MECHANICAL DRAFTING.	1130
48.0201	GRAPHIC & PRINTING COMMUNICATION, GENERAL.	1020
48.0202	BOOKBINDING.	1030
48.0203	COMMERCIAL ART.	1010
48.0204	COMMERCIAL PHOTOGRAPHY.	0980
48.0205	COMPOSITION, MAKE-UP, AND TYPESETTING.	1020
48.0206	LITHOGRAPHY, PHOTOGRAPHY, AND PLATEMAKING.	1020
48.0207	PHOTOGRAPHIC LABORATORY AND DARKROOM.	0980
48.0208	PRINTING PRESS OPERATIONS.	1020
48.0209	SILK SCREEN MAKING AND PRINTING.	1020
48.0210	PHOTOENGRAVING.	1020
48.0301	LEATHERWORKING & UPHOLSTERING, GENERAL.	1550
48.0302	SADDLEMAKING AND REPAIR.	1550
48.0303	UPHOLSTERING.	1560
48.0304	SHOE AND BOOT REPAIR.	1550

Numerical Listing By CIP CODES

CIP CODES	CLUSTER TITLE	CLUSTER NO.
48.0401	PRECISION FOOD PRODUCTION, GENERAL.	0840
48.0402	MEATCUTTING.	0860
48.0403	SLAUGHTERING AND BUTCHERING.	0860
48.0501	PRECISION METAL WORK, GENERAL.	1590
48.0502	FOUNDRY WORK.	1580
48.0503	MACHINE TOOL OPERATION/MACHINE SHOP.	1590
48.0504	METAL FABRICATION.	1600
48.0505	METAL PATTERNMAKING.	1610
48.0506	SHEET METAL.	1600
48.0507	TOOL AND DIE MAKING.	1590
48.0508	WELDING, BRAZING, AND SOLDERING.	1570
48.0601	INDUSTRIAL CERAMICS MANUFACTURING.	1620
48.0602	JEWELRY DESIGN, FABRICATION, AND REPAIR.	1630
48.0604	PLASTICS.	1640
48.0701	WOODWORKING, GENERAL.	1650
48.0702	FURNITURE MAKING.	1650
48.0703	MILLWORK AND CABINET MAKING.	1650
49.0105	AIR TRAFFIC CONTROL.	1350
49.0202	CONSTRUCTION EQUIPMENT OPERATION.	1660
49.0203	MATERIAL HANDLING.	1670
49.0204	MINING EQUIPMENT OPERATION.	1700
49.0205	TRUCK AND BUS DRIVING.	1710
49.0306	MARINE MAINTENANCE.	1740
50.0301	DANCE.	1790
50.0401	DESIGN, GENERAL	1790
50.0501	DRAMATIC ARTS.	1790
50.0701	FINE ARTS, GENERAL.	1790
50.0703	ART HISTORY AND APPRECIATION.	1790
50.0901	MUSIC, GENERAL.	1790
50.0903	MUSIC PERFORMANCE	1790
50.0904	MUSIC THEORY AND COMPOSITION.	1790
80.0101	CHEMICAL MANUFACTURING	1240

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
1ST LINE SUPERVISORS & MGR/SUPS, CLERICAL	51002383	0250
1ST LINE SUPERVISORS & MGR/SUPS, SALES	41002284	0380
1ST LINE SUPERVISORS & MGR/SUPS, SALES	41002284	0390
1ST LINE SUPERVISORS, FORESTRY & LOGGING WORKERS	72000497	0100
1ST LINE SUPERVISORS, PRODUCTION & OPERATIVE WKRS	81008530	0820
1ST LINE SUPERVISORS: CONSTR/TRDS/EXTRACTIVE WKRS	81005529	1360
1ST LINE SUPERVISORS: HELP, LABORERS	81017532	1360
1ST LINE SUPERVISORS: MECHANICS/INSTALLRS/REPAIRER	81002533	1360
1ST LINE SUPERVISORS: PRODUCTION & OPERATIVE WKRS	81008530	1360
1ST LINE SUPERVISORS: TRANS/MATERIAL MOV/VEHICLE	81011534	1360
ACCOUNTANTS & AUDITORS	21114024	0180
ACTUARIES	25313083	1750
ADJUDICATORS AND HEARING OFFICERS	28105114	0220
ADJUSTMENT CLERKS	53123295	0280
ADMINISTRATIVE SERVICES MANAGERS	13014014	0250
ADMINISTRATIVE SERVICES MANAGERS	13014014	0750
ADVERTISING CLERKS	53908358	0340
AERONAUTICAL AND ASTRO. ENGINEERS	22102050	1115
AGRIC. AND FOOD SCIENTISTS	24305075	1880
AGRICULTURAL ENGINEER	22123061	1100
AIR HAMMER OPERATORS	87702570	1660
AIR TRAFFIC CONTROLLERS	39002241	1350
AIRCRAFT ENGINE SPECIALISTS	85326629	1390
AIRCRAFT MECHANICS	85323630	1390
AIRCRAFT PILOTS & FLIGHT ENGINEERS	97702910	1340
AIRCRAFT STRUCTURE ASSEMBLY	93102858	1390
ALL HELPER, LABOR, MOVER	98799991	1670
ALL OTHER AGRICULTURE, FORESTRY, FISHING & REL. WK	79999527	0050
ALL OTHER ASSEMBLERS & FABRICATORS	93956885	1550
ALL OTHER ASSEMBLERS & FABRICATORS	93956885	1600
ALL OTHER ASSEMBLERS & FABRICATORS	93956885	1650
ALL OTHER CLEANING & BUILDING SERVICE WORKERS	67099406	0910
ALL OTHER CLERICAL & ADMINI. SUPPORT WORKERS	59999395	0280
ALL OTHER COMMUN. EQUIP. MECHANICS/INSTALLRS/RPRS	85599604	1420
ALL OTHER COMMUNICATION OPERATORS	57199314	0290
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	87999594	1660
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	87999594	1680
ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	87999594	1700
ALL OTHER CONSTRUCTION TRADES WORKERS	87899575	1470
ALL OTHER ELECTRIC., ELECTRO. MECH.	85799662	1430
ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	22599228	1160
ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	22599228	1300
ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	22599228	1330
ALL OTHER ENGINEERS	22199066	1120
ALL OTHER EXTRACTIVE OCCUP., EXC. HELPERS	87989593	1700
ALL OTHER FINANCIAL SPECIALISTS	21199046	0360
ALL OTHER FIRST LINE SUPERVISORS	81099531	1360
ALL OTHER FOOD SERVICE WORKERS	65099428	0840
ALL OTHER HAND WORKERS	93999889	0820
ALL OTHER HAND WORKERS	93999889	1550
ALL OTHER HAND WORKERS	93999889	1560

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
ALL OTHER HEALTH PRACTITIONERS	32199218	0780
ALL OTHER HEALTH PROFESSIONALS & PARAPROFESSIONALS	32999219	0790
ALL OTHER HEALTH SERVICE WORKERS	66099439	0790
ALL OTHER LEGAL ASSISTANTS & TECHNICIANS	28399254	0230
ALL OTHER LIFE SCIENTISTS	24399081	1880
ALL OTHER MACHINE OPERATORS & TENDERS	92998851	1550
ALL OTHER MACHINERY MAINTENANCE MECHANICS	85119622	1450
ALL OTHER MANAGERS & ADMINISTRATORS	19999022	0380
ALL OTHER MANAGERS & ADMINISTRATORS	19999022	0440
ALL OTHER MANAGERS & ADMINISTRATORS	19999022	0460
ALL OTHER MANAGERS & ADMINISTRATORS	19999022	0800
ALL OTHER MANAGERS & ADMINISTRATORS	19999022	0370
ALL OTHER MATERIAL WORKERS	58099356	0300
ALL OTHER MATH. SCIENTISTS	25319087	1750
ALL OTHER MECHANICS, INSTALLERS	85999663	1370
ALL OTHER METAL & PLAST. MACH. SET./OPER.	92100777	1590
ALL OTHER METAL & PLAST. MACH. SET./OPER.	92100777	1600
ALL OTHER MINING MACHINE OPERATORS	87949589	1700
ALL OTHER MOTOR VEHICLE OPERATORS	97199921	1710
ALL OTHER OFFICE MACHINE OPERATORS	56099322	0280
ALL OTHER PHYS. SCIENCE TEACHERS	31209139	1810
ALL OTHER PHYSICAL SCIENTISTS	24199096	1870
ALL OTHER PLANT AND SYSTEM OCCUPATIONS	95099907	1220
ALL OTHER PLANT AND SYSTEM OCCUPATIONS	95099907	1240
ALL OTHER POST SECONDARY TEACHERS	31299140	1810
ALL OTHER PRECISION ASSEMBLERS, METAL	93197865	1600
ALL OTHER PRECISION FOOD & TOBACCO WORKERS	89899672	0850
ALL OTHER PRECISION METAL WORKERS	89199687	1600
ALL OTHER PRECISION PRINTING WORKERS	89799693	1020
ALL OTHER PRECISION TEXTILE, APPAREL & FURN. WKRS	89599703	0820
ALL OTHER PRECISION WOODWORKERS	89399709	1650
ALL OTHER PRINTING PRESS SETTERS & SET-UP OPS	92519790	1020
ALL OTHER PRINTING RELATED SETTERS & SET-UP OPS	92529799	1020
ALL OTHER PRINTING, BINDING, REL.	92549798	1020
ALL OTHER PROTECTIVE SERVICES	63099485	0960
ALL OTHER RAIL VEHICLE OPERATORS	97399930	1720
ALL OTHER RELIGIOUS WORKERS	27599262	1780
ALL OTHER SALES & RELATED WORKERS	49999292	0380
ALL OTHER SCIENCE TECHNICIANS & TECHNOLOGISTS	24599234	1300
ALL OTHER SERVICE SALES OCCUPATIONS	43099282	0370
ALL OTHER SERVICE SALES OCCUPATIONS	43099282	0440
ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	0440
ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	0460
ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	0840
ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	61099492	0910
ALL OTHER SOCIAL SCIENTISTS	27199103	1770
ALL OTHER TEACHERS, INSTRUCTORS	31399152	1820
ALL OTHER THERAPISTS	32399175	0700
ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	73099521	0100
ALL OTHER TRANSP., MATERIALS MOVING OPERATORS	97989969	1670
AMBULANCE DRIVERS AND ATTENDANTS, EXCEPTS EMTS.	66023430	0590

Alphabetical Listing By OCCUPATIONAL TITLES

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
AMUSEMENT & RECREATION ATTENDANTS	68014441	0460
ANIMAL CARETAKERS, EXC. FARM	79017495	0120
ANNOUNCERS, OTHER	34021263	0990
ANNOUNCERS, RADIO AND T.V.	34017192	0990
ARCHITECTS, EXC. LAND AND MARINE	22302067	1760
ART, DRAMA, AND MUSIC TEACHERS	31218129	1810
ARTISTS & RELATED WORKERS	34035178	1010
ASSESSORS	21917038	0180
AUDIO-VISUAL SPECIALISTS	31508265	1800
AUTOMOTIVE BODY & RELATED REPAIRERS	85305631	1380
AUTOMOTIVE MECHANICS	85302632	1370
AUXILIARY EQUIPMENT OPERATORS, POWER	95023906	1220
BAGGAGE PORTERS AND BELLHOPS	68023442	0440
BAILIFFS	63023479	0960
BAKERS, BREAD & PASTRY	65021410	0840
BAKERS, MANUFACTURING	89805666	0840
BARBERS	68002443	0940
BARTENDERS	65005418	0840
BICYCLE REPAIRERS	85951640	1530
BILL & ACCOUNT COLLECTORS	53508296	0190
BILLING, COST & RATE CLERKS	55344324	0280
BILLING, POSTING & CALCULATING MACHINE OPERATORS	56002325	0180
BINDERY MACHINE OPERATORS	92546782	1030
BINDERY MACHINE SETTERS & SET-UP OPERATORS	92525783	1030
BIOLOGICAL SCIENTISTS	24308076	1880
BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL, EXC. HLTH	24502235	0050
BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL, EXC. HLTH	24502235	1310
BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL. EXC. HLTH	24502235	0020
BLASTERS & EXPLOSIVES WORKERS	87905591	1680
BLASTERS & EXPLOSIVES WORKERS	87905591	1700
BOILERMAKERS	89135674	1600
BOOKBINDERS	89711689	1030
BOOKKEEPING & ACCOUNTING CLERKS	55338326	0180
BRICK MASONS	87302537	1480
BRIDGE, LOCK, LIGHTHOUSE TENDERS	97802944	1730
BROADCAST NEWS ANALYSTS	34014193	0990
BROADCAST TECHNICIANS	34028242	0990
BROKERAGE CLERKS	53128359	0360
BROKERS, REAL ESTATE	43005274	0330
BUDGET ANALYSTS	21117039	0180
BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS	85311633	1400
BUS DRIVERS	97108913	1710
BUS DRIVERS, SCHOOL	97111914	1710
BUTCHERS & MEAT CUTTERS	65023668	0860
CABINETMAKERS & BENCH CARPENTERS	89311705	1650
CAMERA & PHOTOGRAPHIC EQUIPMENT REPAIRERS	85914641	1420
CAMERA OPERATORS, TELEVISION & MOTION PICTURE	34026187	0990
CANNERY WORKERS	93935868	0850
CAPTAINS & OFFICERS, FISH. VESSEL	77002508	1730
CAPTAINS, WATER VESSEL	97502936	1730
CARPENTERS	87102541	1470

Alphabetical Listing By OCCUPATIONAL TITLES

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
CARPET CUTTERS, DIAGRAMMERS & SEAMERS	93932887	1470
CARPET INSTALLERS	87602542	1470
CASHIERS	49023270	0380
CEILING TILE INSTALLERS & ACOUSTICAL CARPENTERS	87105543	1470
CENTRAL OFFICE & PBX INSTALLERS & REPAIRERS	85502598	1420
CENTRAL OFFICE OPERATORS	57108309	0290
CHEMICAL ENGINEERS	22114051	1040
CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS	92935822	1240
CHEMICAL EQUIPMENT TENDER	92938823	1240
CHEMICAL PLANT & SYSTEM OPERATORS	95008892	1240
CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	24505236	0850
CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	24505236	1240
CHEMISTRY TEACHERS	31204130	1810
CHEMISTS, EXCEPT BIOCHEMISTS	24105090	1870
CHILD CARE WORKERS	68038444	0810
CIVIL ENGINEERING TECHNICIANS	22502224	1140
CIVIL ENGINEERS, INCL. TRAFFIC	22121052	1050
CLAIMS EXAMINERS, INSURANCE	21921025	0320
CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	21502040	0200
CLEANING, PICKLING EQUIP. OPERATORS	92958852	0850
CLERGY	27502105	1780
COIL WINDERS, TAPERS & FINISHERS	93908869	1170
COIN & VENDING MACHINE SERVICERS & REPAIRERS	85947642	1430
COMB. FOOD PREPARATION & SERVICE	65041422	0840
COMBINATION MACHINE TOOL OPERATORS/TNDRS, MTL/PLAS	91508734	1590
COMBINATION MACHINE TOOL SETTERS & SET-UP OPS, M/P	91505735	1590
COMMUNICATION, TRANSPORTATION & UTILITY OPS. MGRS.	15023015	0420
COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONSTR.	21911026	1270
COMPUTER OPERATORS, EXC. PERIPHERAL EQUIP.	56011316	0160
COMPUTER PROGRAMMER AIDES	25108244	0150
COMPUTER PROGRAMMERS	25105245	0150
COMPUTER SCIENCE TEACHERS	31226131	1810
COMPUTER SYSTEMS ANALYSTS,EDP	25102073	0140
CONCRETE & TERRAZZO FINISHERS	87311544	1470
CONSTRUCTION & BUILDING INSPECTORS	21908027	1470
CONSTRUCTION MANAGERS	15017016	1360
CONTINUOUS MINING MACHINE OPERATORS	87941584	1700
CONVEYOR OPERATORS AND TENDERS	97951966	1670
COOKING MACHINE OPERATORS & TENDERS, FOOD/TOBACCO	92917825	0850
COOKS, INSTITUTION OR CAFETERIA	65028411	0840
COOKS, SHORT ORDER	65035414	0840
COOKS, SPECIALITY FAST FOOD	65032415	0840
COOKS,RESTAURANT	65026412	0840
COOLING, FREEZING EQUIP. OPERATOR	92928853	1190
CORRECTION OFFICERS & JAILERS	63017462	0960
CORRECTIVE & MANUAL ARTS THERAPISTS	32311173	0700
CORRESPONDENCE CLERKS	55317393	0280
COST ESTIMATORS	21902028	1130
COST ESTIMATORS	21902028	1250
COUNTER & RENTAL CLERKS	49017271	0380
COUNTER ATTENDANTS, LUNCHROOM, CAFETERIA OR COFFEE	65017421	0840

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OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
COURT CLERKS	53702377	0240
CRANE & TOWER OPERATORS	97944948	1660
CRANE & TOWER OPERATORS	97944948	1670
CREDIT ANALYSTS	21105041	0360
CREDIT AUTHORIZERS	53114378	0190
CREDIT CHECKERS	53117379	0190
CRIMINAL INVESTIGATORS, FEDERAL	63028472	0960
CROSSING GUARDS	63044475	0960
CRUSHING & MIXING MACHINE OPERATORS & TENDERS	92965827	0850
CRUSHING & MIXING MACHINE OPERATORS & TENDERS	92965827	1620
CURATORS, ARCHIVISTS, MUSEUM TECHS	31511154	1850
CUSTOM TAILORS & SEWERS	89505695	0830
CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	55335380	0370
CUTTING & SLICING MACHINE OPERATORS & TENDERS	92944829	1550
CUTTING AND SPLICING SETTER/OPER.	92941830	1550
DAIRY PROCESSING EQUIP OPERATORS, INCL. SETTERS	92932831	0850
DANCERS AND CHOREOGRAPHERS	34053179	1790
DATA ENTRY KEYERS, EXC. COMPOSING	56017381	0170
DATA KEYERS, COMPOSING	56021382	1020
DATA PROCESSING EQUIPMENT REPAIRERS	85705606	1170
DEMONSTRATORS, PROMOTERS & MODELS	49032283	0380
DENTAL ASSISTANTS	66002431	0480
DENTAL HYGIENISTS	32908200	0490
DENTAL LAB TECHNICIANS, PRECISION	89921719	0500
DENTISTS	32105158	0470
DERRICK OPERATORS, OIL & GAS EXTRACTION	87914580	1680
DESIGNERS, EXCEPT INTERIOR DESIGNERS	34038181	0080
DESIGNERS, EXCEPT INTERIOR DESIGNERS	34038181	1010
DETAIL DESIGN DECORATORS & PAINTERS, PRECISION	89911723	1010
DIETETIC TECHNICIANS	32523201	0880
DIETICIANS AND NUTRITIONISTS	32521159	0870
DINING ROOM & CAFETERIA ATTENDANTS & BAR HELPERS	65014419	0840
DIRECTORS, RELIG. ACTIV./EDUC.	27505106	1780
DIRECTORY ASSISTANCE OPERATORS	57105310	0290
DISPATCHERS: EXC. POLICE, FIRE, AMBULANCE	58005344	0290
DISPATCHERS: POLICE, FIRE, AMBULANCE	58002345	0960
DRAFTERS	22514230	1130
DRAGLINE OPERATORS	97926962	1660
DRAGLINE OPERATORS	97926962	1700
DREDGE OPERATORS & DIPPER TENDERS	97928963	1730
DRILLING MACHINE TOOL SETTERS & SET-UP OPS, MTL/PL	91108737	1590
DRIVER/SALES WORKERS	97117917	0380
DRYWALL INSTALLERS	87108546	1470
DUPLICATING MACHINE OPERATORS	56005319	0280
EARTH DRILLERS, EXC. OIL & GAS EXTRACTION	87902592	1660
EARTH DRILLERS, EXC. OIL & GAS EXTRACTION	87902592	1700
ECONOMISTS, MARKET ANALYSTS	27102098	1770
EDUCATION ADMINISTRATORS	15005003	1800
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	85711648	1430
ELECTRIC METER INSTALLERS & REPAIRERS	85911643	1460
ELECTRIC MOTOR, TRANSFORMER & RELATED REPAIRERS	85714614	1430

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Alphabetical Listing By OCCUPATIONAL TITLES

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
ELECTRICAL & ELECTRONIC ASSEMBLERS	93905871	1170
ELECTRICAL & ELECTRONIC ASSEMBLERS	93905871	1420
ELECTRICAL & ELECTRONIC ENGINEERS	22126053	1060
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS, PRECISN	93114859	1170
ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS, PRECISN	93114859	1420
ELECTRICAL & ELECTRONIC TECHNICIANS/TECHNOLOGISTS	22505222	1160
ELECTRICAL INSTALLERS & REPAIRERS, TRANS. EQUIP.	85728613	1370
ELECTRICAL INSTALLERS & REPAIRERS, TRANS. EQUIP.	85728613	1390
ELECTRICAL POWERLINE INSTALLERS & REPAIRERS	85723607	1460
ELECTRICIANS	87202549	1460
ELECTROCARDIOGRAPH TECHNICIANS/TECHNOLOGISTS	32926202	0570
ELECTROENCEPHALOGRAPH TECHNICIANS/TECHNOLOGISTS	32923203	0580
ELECTROLYTIC PLATING OPER., M/P	91921761	1600
ELECTROLYTIC PLATING SET./OPER., M/P	91917762	1600
ELECTROLYTIC PLATING SET./OPER., M/P	91917762	1640
ELECTROMECHANICAL EQUIP. ASSEMBLERS, PRECISION	93111860	1180
ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	85908644	1200
ELECTRONIC SEMICONDUCTOR PROCESSORS	92902832	1170
ELECTRONICS REPAIRERS, COMMERCIAL & INDUS. EQUIP.	85717609	1170
ELEVATOR INSTALLERS & REPAIRERS	85932645	1450
ELEVATOR OPERATORS	67011405	1670
EMBALMERS	39014259	0950
EMERGENCY MEDICAL TECHNICIANS	32508204	0590
EMPLOYMENT INTERVIEWERS, PRVT. OR PUB. EMP. SVC.	21508029	0200
ENGINEER, MATH, NATURAL SCIENCE MGR.	13017017	0130
ENGINEERING TEACHERS	31222132	1810
ENGLISH & FOR. LANG. TEACHERS	31216133	1810
ENGRAVING & PRINTING WORKERS, HAND	93951888	1020
ESTIMATORS & DRAFTERS, UTILITIES	22517231	1130
EXCAVATING & LOADING MACHINE OPERATORS	97923949	1660
EXCAVATING & LOADING MACHINE OPERATORS	97923949	1700
EXT. & DRAW. MACHINE SETTERS & SET-UP OPS, MTL/PLS	91311692	1640
EXT. & FORMING MACHINE OPS/TNDRS, SYNTHETIC FIBERS	92708801	1620
EXTRUDING & DRAWING MACHINE SETTERS/SET-UP OPS M/P	91311744	1590
EXTRUDING & FORMING MACHINE OPERATORS & TENDERS	92971834	1620
EXTRUDING & FORMING MACHINE SETTERS & SET-UP OPS	92968835	1620
FABRIC PATTERNMAKER, LAYOUT WORKER	89502696	0820
FALLERS & BUCKERS	73002515	0100
FARM & HOME MANAGEMENT ADVISORS	31323142	0010
FARM EQUIPMENT MECHANICS	85321634	0040
FARM EQUIPMENT OPERATORS	79021523	0020
FARM MANAGERS	71005506	0010
FARM WORKERS	74002502	0020
FARMERS	71002505	0020
FENCE ERECTORS	87817574	1470
FILE CLERKS	55321360	0280
FILM EDITORS	34032266	0990
FINANCIAL ANALYSTS, STATISTICAL	25315042	1750
FINANCIAL MANAGERS	13002004	0180
FIRE FIGHTERS	63008464	0970
FIRE FIGHTING & PREVENTION SUPERVISORS	61002465	0970

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
FIRE INSPECTORS	63002467	0970
FISH & GAME WARDENS	63041484	0030
FLOOR LAYERS, EXC. CARPET, WOOD & HARD TILE	87605568	1470
FLOOR SANDING MACHINE OPERATORS	87608569	1470
FOOD BATCHMAKERS	89808671	0850
FOOD PREPARATION WORKERS	65038416	0840
FOOD SERVERS, OUTSIDE	65011423	0840
FOOD SERVERS, OUTSIDE.	65011423	0880
FOOD SERVICE & LODGING MANAGERS	15026005	0440
FOOD SERVICE & LODGING MANAGERS	15026005	0450
FOREST & CONSERVATION WORKERS	79002513	0090
FORESTERS & CONSERVATION SCIENTISTS	24302077	0090
FORGING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91317745	1590
FOUNDRY MOLD & CORE MAKERS, PRECISION	89902724	1580
FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	91914763	1580
FRAME WIRERS, CENTRAL OFFICE	85505599	1420
FUNERAL ATTENDANTS	68041489	0950
FUNERAL DIRECTORS & MORTICIANS	39011018	0950
FURNACE OPERATORS & TENDERS	91935764	1580
FURNACE, KILN OR KETTLE OPERATORS/TENDERS	92923836	1620
FURNITURE FINISHERS	89314706	1650
GARDENERS & GROUNDSKEEPERS, EXC. FARM	79014496	0070
GAS APPLIANCE REPAIRERS	85944649	1430
GAS COMPRESSOR OPERATORS	97921961	1690
GAS PLANT OPERATORS	95005901	1690
GAS PUMPING STATION OPERATORS	97917960	1690
GAUGERS	95017899	1690
GENERAL MANAGER & TOP EXECUTIVE	19005006	0130
GENERAL OFFICE CLERKS	55347328	0280
GENERAL SECRETARIES	55199370	0260
GEOLOGIST, GEOPHYSICIST, OCEANOG.	24111091	1870
GLAZIERS	87811550	1470
GLAZIERS, MANUFACTURING	93911883	1470
GRADER, DOZER & SCRAPER OPERATORS	97938950	1660
GRADERS & SORTERS, AGRICULTURAL PRODUCTS	79011524	0850
GRADUATE ASSISTANTS, TEACHING	31117147	1810
GRINDING AND POLISHING, HAND	93953872	1580
GRINDING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91114738	1590
GUARDS AND WATCH GUARDS	63047476	0960
GUIDES	68017487	0460
HAIRDRESSERS, HAIRSTYLISTS & COSMETOLOGISTS	68005446	0940
HARD TILE SETTERS	87308551	1480
HEAD SAWYERS	92305812	1650
HEALTH SPECIALTIES TEACHERS	31212134	1810
HEAT TREATING MACHINE OPERATORS & TENDERS, MTL/PLS	91932767	1590
HEAT. EQUIP. SETTERS & SET-UP OPERATORS, MTL/PLAS	91928766	1590
HEATERS, METAL AND PLASTIC	91938765	1600
HEATING, A/C & REFRIGERATION MECHANICS/INSTALLERS	85902646	1190
HELPERS, ALL OTHER CONSTRUCTION TRADES	98319984	1470
HELPERS, CARPENTERS & RELATED.	98312979	1470
HELPERS, ELECTRICAL AND POWERLINE TRANSM. INSTALL.	98313980	1460

Alphabetical Listing By OCCUPATIONAL TITLES

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
HELPERS, EXTRACTIVE WORKERS	98323989	1680
HELPERS, EXTRACTIVE WORKERS	98323989	1700
HELPERS, MASONS & TILE SETTERS	98311978	1480
HELPERS, PAINTERS, PAPERHANGERS & RELATED	98314981	1470
HELPERS, PLUMBERS, PIPEFITTERS & STEAMFITTERS	98315982	1490
HELPERS, ROOFERS	98316983	1470
HIGHWAY MAINTENANCE WORKERS	87711552	1660
HOIST & WINCH OPERATORS	97941951	1660
HOIST & WINCH OPERATORS	97941951	1670
HOIST & WINCH OPERATORS	97941951	1680
HOME ENTERTAINMENT EQUIP. REPAIRERS	85708608	1420
HOME HEALTH AIDES	66011451	0540
HOSTS & HOSTESSES, RESTAURANT/LOUNGE/COFFEE SHOP	65002424	0840
HOTEL DESK CLERKS	53808330	0440
HOUSEKEEPERS, INSTITUTIONAL	61008398	0910
INDUSTRIAL ENGINEER, EXC. SAFETY	22128054	1070
INDUSTRIAL ENGINEERING TECHNICIANS & TECHNOLOGISTS	22508226	1250
INDUSTRIAL PRODUCTION MANAGERS	15014019	1250
INDUSTRIAL TRUCK & TRACTOR OPERATORS	97947952	1670
INSTRUCTIONAL COORDINATORS	31517149	1800
INSTRUCTORS AND COACHES, SPORTS	31321148	1820
INSTRUCTORS, NONVOCATIONAL EDUCATION	31317144	1820
INSULATION WORKERS	87802553	1470
INSURANCE ADJUSTERS, EXAMINERS & INVESTIGATORS	53302298	0320
INSURANCE APPRAISERS, AUTO DAMAGE	53305303	0320
INSURANCE CLAIMS CLERKS	53311299	0310
INSURANCE EXAMINING CLERKS	53308304	0310
INSURANCE POLICY PROCESSING CLERKS	53314300	0310
INSURANCE SALES WORKERS	43002272	0320
INTERIOR DESIGNERS	34041182	0890
INTERVIEWING CLERKS, EXC. PERSONNEL/SOCIAL WELFARE	55332331	0280
INTERVIEWING CLERKS, EXC. PERSONNEL/SOCIAL WELFARE	55332331	0750
INVESTIGATORS, CLERICAL	53505394	0280
JANITORS & CLEANERS, EXC. MAIDS	67005400	0910
JANITORS, CLEANERS, MAIDS	67001399	0910
JEWELERS & SILVERSMITHS	89123675	1630
JOB PRINTERS	89705691	1020
JUDGES AND MAGISTRATES	28102155	0220
LANDSCAPE ARCHITECTS	22308068	1760
LATHE MACHINE TOOL SETTERS & SET-UP OPS, MTL/PLAS	91105739	1590
LATHERS	87114548	1470
LAUNDRY & DRYCLEANING MACHINE OPS/TENDERS EXC. PRS	92726837	0930
LAW CLERKS	28302252	0230
LAWYERS	28108116	0220
LECTURERS	31111128	1810
LEGAL SECRETARIES	55102367	0260
LETTERPRESS SETTERS & SET-UP OPERATORS	92515785	1020
LIBRARIANS, PROFESSIONAL	31502155	1850
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	53902361	1860
LICENSE CLERKS	53708305	0280
LICENSED PRACTICAL NURSES	32505205	0530

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
LIFE SCIENCE TEACHERS	31202135	1810
LOAN & CREDIT CLERKS	53121384	0190
LOAN INTERVIEWERS	53111306	0190
LOAN OFFICERS & COUNSELORS	21108030	0360
LOCKSMITHS & SAFE REPAIRERS	85923657	1510
LOCOMOTIVE ENGINEERS	97305923	1720
LOCOMOTIVE FIRERS	97311928	1720
LOG GRADERS & SCALERS	79008520	0100
LOG HANDLING EQUIPMENT OPERATORS	73008517	0100
LOGGING TRACTOR OPERATORS	73011516	0100
LONGSHORE EQUIPMENT OPERATORS	97902955	1670
LOW PRESSURE BOILER OPERATOR	92926819	1500
MACHINE BUILDERS & OTHR PRECISION MACHINE ASSMBLRS	93105862	1450
MACHINE FORMING OPERATORS & TENDERS, METAL/PLASTIC	91321740	1600
MACHINE TOOL CUTTING OPERATORS/TENDERS, METAL/PLAS	91117741	1540
MACHINE TOOL CUTTING OPERATORS/TENDERS, METAL/PLAS	91117741	1590
MACHINERY MAINTENANCE MECHANICS, SEWING MACHINE	85113618	1430
MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES	85112619	1450
MACHINERY MAINTENANCE MECHANICS, WATER/POWER	85118620	1220
MACHINERY MAINTENANCE WORKERS	85128623	1450
MACHINISTS	89108676	1590
MAIDS & HOUSEKEEPING CLEANERS	67002401	0910
MAIL CLERKS, EXC. MAIL MACHINE OPS & POSTAL SVC	57302338	0280
MAIL MACHINE OPERATORS, PREPARATION & HANDLING	56008320	0280
MAIN LINE STATION ENGINEERS	97914959	1690
MAINTENANCE REPAIRERS, GENERAL UTILITY	85132625	1500
MANAGEMENT ANALYSTS	21905031	0130
MANICURISTS	68008447	0940
MARINE ENGINEERS	22138064	1120
MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	13011007	0340
MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	13011007	0370
MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	13011007	0380
MARKING CLERKS	58021354	0380
MATHEMATICAL SCIENCE TEACHERS	31224136	1810
MEAT, POULTRY & FISH CUTTERS & TRIMMERS, HAND	93938874	0860
MECHANIC AND REPAIRER HELPERS	98102990	1500
MECHANICAL CONTROL & VALVE INSTALLERS/REPAIRERS	85928658	1180
MECHANICAL ENGINEERING TECHNICIANS & TECHNOLOGISTS	22511227	1130
MECHANICAL ENGINEERS	22135055	1080
MEDICAL & CLINICAL LABORATORY TECHNICIANS	32905207	0120
MEDICAL & CLINICAL LABORATORY TECHNICIANS	32905207	0600
MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	32902208	0600
MEDICAL APPLIANCE MAKERS	89923726	0790
MEDICAL ASSISTANTS	66005432	0560
MEDICAL RECORD TECHNICIANS & TECHNOLOGISTS	32911209	0610
MEDICAL SCIENTISTS	24311080	1880
MEDICAL SECRETARIES	55105368	0260
MEDICINE AND HEALTH SERVICE MANAGER	15008020	0750
MENDERS, GARMENTS, LINENS & RELATED	85956659	0830
MERCHANDISE DISPLAYERS & WINDOW TRIMMERS	34044267	0340
MESSENGERS	57311339	0290

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
METAL MOLDING MACHINE OPERATORS & TENDERS	91911769	1580
METAL MOLDING MACHINE SETTERS & SET-UP OPERATORS	91908770	1580
METAL POURERS, BASIC SHAPES	93941875	1580
METALLURGIST AND RELATED ENGINEER	22105056	1090
METEOROLOGISTS	24108092	1870
METER READERS, UTILITIES	58014346	0280
MILLING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91111746	1590
MILLWRIGHTS	85123626	1450
MINE CUTTING & CHANNELING MACHINE OPERATORS	87943585	1700
MINING AND RELATED MANAGERS	15021021	1280
MINING ENGINEERS, INCL. SAFETY	22108057	1090
MINING MACHINE OPERATORS	87940586	1700
MOBILE HEAVY EQUIPMENT MECHANICS, EXC. ENGINE	85314635	1440
MOBILE HOME REPAIRERS	85938660	1500
MOLDERS AND CASTERS, HAND	93944884	1620
MOLDERS/SHAPERS, EXC. JEWELRY & FOUNDRY, PRECISION	89905727	1620
MOTION PICTURE PROJECTIONISTS	92905838	1420
MOTORBOAT OPERATORS	97511945	1730
MOTORCYCLE REPAIRERS	85308636	1410
MUNICIPAL CLERKS	53705385	0260
MUSIC DIRECTORS, SINGERS, AND RELATED	34047184	1790
MUSICAL INSTRUMENT REPAIRERS & TUNERS	85921650	1520
MUSICIANS, INSTRUMENTAL	34051185	1790
NEW ACCOUNTS CLERKS	53105332	0190
NONELECTROLYTIC PLATING OPER., M/P	91926772	1600
NONELECTROLYTIC PLATING SET., M/P	91923773	1600
NUCLEAR MEDICINE TECHNOLOGISTS	32914210	0670
NUMERICALLY CONTRL. MACHINE TOOL OPS/TNDRS MTL/PLS	91502732	1590
NURSERY WORKERS	79005503	0070
NURSING AIDES, ORDERLIES & ATTENDANTS	66008434	0540
NURSING INSTRUCTORS	31114150	1810
OCCUPATIONAL THERAPISTS	32305167	0630
OCCUPATIONAL THERAPY ASSISTANTS & AIDES	66021436	0640
OFFICE MACHINE & CASH REGISTER SERVICERS	85926651	1170
OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPS	92512786	1020
OIL PUMPERS, EXCEPT WELL HEAD	97908957	1680
OPERATING ENGINEERS	97956953	1660
OPERATING ENGINEERS	97956953	1700
OPERATIONS AND SYSTEMS ANAYLYSTS	25302088	0140
OPTICAL GOODS WORKERS, PRECISION	89917720	1210
OPTICIANS, DISPENSING & MEASURING	32514211	0720
OPTOMETRISTS	32108160	0710
ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE	55323362	0280
ORDER FILLERS, WHOLESALE & RETAIL SALES	58026347	0300
PAINTERS & PAPERHANGERS,CONSTRUCTION & MAINTENANCE	87402554	1470
PAINTERS, TRANSPORTATION EQUIPMENT	92947844	1380
PARALEGAL PERSONNEL	28305247	0230
PARKING ENFORCEMENT OFFICERS	63021478	0960
PATTERN & MODEL MAKERS, METAL	89114685	1610
PATTERN & MODEL MAKERS, WOOD	89302707	1650
PATTERNMAKERS	89908728	1620

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
PAVING, SURFACING & TAMPING EQUIPMENT OPERATORS	87708555	1660
PAYROLL & TIMEKEEPING CLERKS	55341327	0180
PERIPHERAL EDP EQPT OPERAT	56014317	0160
PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	55314363	0200
PERSONNEL TRAIN., LABOR REL. SPEC.	21511032	0200
PERSONNEL, TRAINING, LABOR REL. MGR.	13005008	0130
PEST CONTROLLERS & ASSISTANTS	67008402	0050
PETROLEUM ENGINEERS	22111059	1110
PETROLEUM PUMP SYSTEM OPERATORS	95011902	1690
PETROLEUM REFINERY & CONTROL PANEL OPERATORS	95014900	1290
PETROLEUM TECHNICIANS & TECHNOLOGISTS	24511233	1290
PHARMACISTS	32517161	0730
PHARMACY ASSISTANTS	66026437	0740
PHOTENGRAVING & LITHOGRAPHING MACHINE OPS/TNDRS	92545792	1020
PHOTOENGRAVING & LITHOGRAPHING PHOTOGRAPHERS	92521793	1020
PHOTOGRAPHERS	34023188	0980
PHOTOGRAPHIC PROCESS WORKERS, PRECISION	89914721	0980
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS/TENDERS	92908846	0980
PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	66017438	0660
PHYSICAL THERAPISTS	32308168	0650
PHYSICIANS AND SURGEONS	32102164	0510
PHYSICIANS ASSISTANTS	32511163	0550
PHYSICISTS AND ASTRONOMERS	24102093	1870
PHYSICS TEACHERS	31206137	1810
PILE DRIVING OPERATORS	87705571	1660
PIPELAYERS	87508557	1490
PIPELAYING FITTERS	87505558	1490
PLASTERERS	87317559	1470
PLASTIC MOLDING MACHINE SETTERS & SET-UP OPERATORS	91902776	1640
PLUMBERS, PIPEFITTERS & STEAMFITTERS	87502560	1490
PODIATRISTS	32111162	0780
POLICE & DETECTIVE SUPERVISORS	61005470	0960
POLICE DETECTIVES	63011473	0960
POLICE PATROL OFFICERS	63014474	0960
PORTABLE MACHINE CUTTERS	93928877	0820
POSTAL MAIL CARRIERS	57305340	0210
POSTAL SERVICE CLERKS	57308341	0210
POSTMASTERS, MAIL SUPERINTENDENTS	15002009	0210
POWER DISTRIBUTORS & DISPATCHERS	95028894	1220
POWER GEN. PLANT OPERATORS, EXC. AUXIL. EQUIP.	95021896	1220
POWERHOUSE, SUBSTATION, & RELAY ELECTRICIAN	85721661	1220
PRECISION COMPOSITOR, TYPESETTER	89702690	1020
PRECISION DYERS	89521700	0930
PRECISION ETCHERS AND ENGRAVERS	89128681	1020
PRECISION HAND WORKERS, JEWELRY	89126682	1630
PRECISION INSPEC., TESTERS & GRADERS	83002713	0840
PRECISION INSPEC., TESTERS & GRADERS	83002713	1160
PRECISION INSPEC., TESTERS & GRADERS	83002713	1260
PRECISION INSPEC., TESTERS & GRADERS	83002713	1330
PRECISION INSPEC., TESTERS & GRADERS	83002713	1590
PRECISION INSPEC., TESTERS & GRADERS	83002713	1600

Alphabetical Listing By OCCUPATIONAL TITLES

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
PRECISION INSTRUMENT MAKERS	89105683	1590
PRECISION INSTRUMENT REPAIRERS	85905652	1180
PRECISION LAYOUT WORKERS, METAL	89117684	1610
PRECISION LITHOGRAPHERS & PHOTOENGRAVING	89708692	1020
PRESS MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91305747	1600
PRESSERS, DELICATE FABRICS	89517701	0930
PRESSERS, HAND	93921878	0930
PRESSING MACHINE OPS/TENDERS, TEXTILE/GARMENT/REL	92728802	0820
PRESSING MACHINE OPS/TENDERS, TEXTILE/GARMENT/REL	92728802	0930
PRINTING PRESS MACHINE OPERATORS & TENDERS	92543789	1020
PRINTING PRESS MACHINE SETTER/OPER.	92510788	1020
PRIVATE DETECTIVE & INVESTIGATOR	63035482	0960
PROCUREMENT CLERKS	55326348	0300
PROD., DIRECT., ACTORS, ENTERTAINERS	34056189	1790
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	0820
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	0850
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	1170
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	1180
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	1260
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	1590
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	1600
PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	83005714	1620
PRODUCTION, PLANNING & EXPEDITING CLERKS	58008349	0200
PROGRAMMERS: NUMERICAL TOOL	25111255	1590
PROOFREADERS & COPY MARKERS	53911392	1020
PROPERTY & REAL ESTATE MANAGERS & ADMINISTRATORS	15011010	0330
PSYCHIATRIC AIDES	66014435	0770
PSYCHOLOGISTS	27108099	0760
PUBLIC ADMIN., LEGAL, GEN. ADMIN.	19002011	0130
PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	34008190	0340
PUMP OPERATORS	97953967	1690
PUNCHING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91302742	1600
PURCHASING AGENTS & BUYERS, FARM PRODUCTS	21305043	0060
PURCHASING AGENTS, EXC. WHOLESALE, RETAIL & FARM	21308033	0350
PURCHASING MANAGERS	13008012	0350
RADIO MECHANICS	85514600	1420
RADIO OPERATORS	39008258	1420
RADIOLOGIC TECHNICIANS	32921213	0670
RADIOLOGIC TECHNOLOGISTS	32917214	0670
RAIL CAR REPAIRERS	85317637	1440
RAIL YARD ENGINEERS, DINKEY OPER.	97308926	1720
RAIL-TRACK LAYING & MAINTENANCE EQUIP. OPERATORS	87714572	1660
RAILROAD & TRANSIT POLICE & SPECIAL AGENTS	63038483	0960
RAILROAD BRAKE, SIGNAL, SWITCH OPER.	97317924	1720
RAILROAD CONDUCTORS & YARDMASTERS	97302925	1720
REAL ESTATE APPRAISERS	43011276	0330
REAL ESTATE CLERKS	53914386	0280
RECEPTIONISTS & INFORMATION CLERKS	55305333	0290
RECREATION WORKERS	27311107	0460
RECREATION WORKERS	27311107	0810
RECREATIONAL THERAPISTS	32317169	0700

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
REFRACTORY MATERIAL REPAIRERS, EXC. BRICKMASONS	85126566	1580
REFUSE COLLECTORS	98705986	1670
REGISTERED NURSES	32502165	0520
REINFORCING METAL WORKERS	87314563	1470
REPORTERS AND CORRESPONDENTS	34011194	0990
REPORTERS AND CORRESPONDENTS	34011194	1000
RESERVATION & TRANSPORTATION TICKET AGENTS	53805335	0430
RESPIRATORY THERAPISTS	32302170	0680
RIGGERS	85935653	1660
RIGGERS	85935653	1740
ROASTING MACHINE OPERATORS & TENDERS, FOOD/TOBACCO	92921826	0850
ROCK SPLITTERS,QUARRY	87908587	1700
ROLLING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91314748	1590
ROOFERS	87808561	1470
ROTARY DRILL OPERATORS, OIL & GAS EXTRACTION	87911581	1680
ROUSTABOUTS	87921578	1680
SAFETY ENGINEER, EXC. MINING	22132065	1120
SALES AGENTS, ADVERTISING	43023286	0340
SALES AGENTS, REAL ESTATE	43008275	0330
SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	0060
SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	0370
SALES AGENTS, SELECTED BUSINESS SERVICES	43017287	0440
SALES ENGINEERS	49002288	0060
SALES ENGINEERS	49002288	0410
SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EXC. RETAIL	49005290	0060
SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EXC. RETAIL	49005290	0410
SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	0380
SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	0400
SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	0410
SALES REPS., EXC. SCIENTIFIC & RETAIL	49008285	0900
SALESPERSONS, PARTS	49014289	0380
SALESPERSONS, RETAIL	49011277	0380
SALESPERSONS, RETAIL	49011277	0400
SAWING MACHINE OPERATORS & TENDERS	92308813	1650
SAWING MACHINE SETTERS & SET-UP OPERATORS	92302814	1650
SCREEN PRINTING MACHINE SETTERS & SET-UP OPERATORS	92524794	1020
SECURITIES & FINANCIAL SERVICES SALES WORKERS	43014278	0360
SEPTIC TANK SERVICERS & SEWER PIPE CLEANERS	87511567	1490
SERVICE STATION ATTENDANTS	97805942	0390
SERVICE UNIT OPERATORS	87917582	1290
SEWERS, HAND	93923879	0820
SEWING MACHINE OPERATORS, GARMENT	92717803	0820
SEWING MACHINE OPERATORS, NON-GARMENT	92721804	0900
SHAMPOOERS	68011448	0940
SHEAR MACHINE SETTERS & SET-UP OPS, METAL/PLAS	91308750	1600
SHEET METAL DUCT INSTALLERS	87805573	1190
SHEET METAL WORKERS	89132677	1600
SHERIFFS, DEPUTY SHERIFFS, U.S. MARSHALLS	63032481	0960
SHIP PILOTS	97508937	1730
SHOE & LEATHER WORKERS & REPAIRERS, PRECISION	89511697	1550
SHOE SEWING MACHINE OPERATORS & TENDERS	92723848	1550

Alphabetical Listing By OCCUPATIONAL TITLES

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
SIGNAL OR TRACK SWITCH MAINTENANCE	85511601	1720
SMALL ENGINE SPECIALISTS	85328638	1410
SOCIAL SCIENCE TEACHERS	31210138	1810
SOCIAL SERVICE TECHNICIANS	27308108	0770
SOCIAL WELFARE SERVICE AIDES	68035452	0920
SOCIAL WORKER, MED.& PSYCHIATRIC	27302110	0770
SOCIAL WORKERS EX.MED. & PSYCHIATRIC	27305111	0770
SOCIOLOGISTS	27109096	1770
SOLDERERS & BRAZERS	93917880	1570
SOLDERING & BRAZING MACHINE OPERATORS & TENDERS	91711754	1570
SOLDERING & BRAZING MACHINE SETTERS & SET-UP OPS	91708755	1570
SPEC. MAT. PRINTING MACHINE SETTERS & SET-UP OPS	92522797	1020
SPECIAL AGENTS,INSURANCE	21505044	0320
SPEECH PATHOLOGISTS & AUDIOLOGISTS	32314171	0690
SPOTTERS, DRY CLEANING	89514702	0930
STATEMENT CLERKS	53126364	0180
STATIONARY ENGINEERS	95032903	1500
STATISTICAL CLERKS	55328387	0180
STATISTICIANS	25312084	1750
STENOGRAPHERS	55302371	0240
STEVEDORES, EXC. EQUIPMENT OPERATORS	98702973	1670
STOCK CLERKS, SALES FLOOR	49021279	0380
STOCK CLERKS, STOCKROOM, WAREHOUSE OR YARD	58023350	0300
STONE MASONS	87305538	1480
STRUCTURAL METAL FABRICATORS	91714752	1600
STRUCTURAL METAL FITTERS	93108861	1600
STRUCTURAL METAL WORKERS	87814564	1600
SURGICAL TECHNICIANS	32928215	0620
SURVEYING & MAPPING TECHNICIANS & TECHNOLOGISTS	22521071	1140
SURVEYING AND MAPPING SCIENTIST	22311070	1140
SWITCHBOARD OPERATORS	57102311	0290
TANK CAR & TRUCK LOADERS	97905956	1690
TAPERS	87111547	1470
TAX EXAMINERS, COLLECTORS & REVENUE AGENTS	21914034	0180
TAX PREPARERS	21111045	0180
TAXI DRIVERS & CHAUFFEURS	97114915	1710
TEACHER AIDES AND EDUCATIONAL ASSISTANTS	53905389	1840
TEACHER AIDES, PARAPROFESSIONAL	31521390	1840
TEACHERS, ELEMENTARY	31305120	1820
TEACHERS, PRESCHOOL & KINDERGARTEN	31302119	0800
TEACHERS, PRESCHOOL & KINDERGARTEN	31302119	1820
TEACHERS, SECONDARY SCHOOL	31308123	1820
TEACHERS, SPECIAL EDUCATION	31311151	1830
TEACHERS, VOCATIONAL EDUCATION	31314145	1820
TECHNICAL ASSISTANTS,LIBRA	31505256	1860
TECHNICAL WRITERS	34005196	0990
TECHNICAL WRITERS	34005196	1000
TEL. & CABLE TV LINE INSTALLERS & REPAIRERS	85702611	1460
TELEGRAPH & TELETYPE INSTALLERS & REPAIRERS	85508603	1420
TELEGRAPH AND TELETYPE OPERATORS	57111313	0290
TELEPHONE STATION INSTALL. & REPAIR	85726610	1420

OCCUPATIONAL TITLES	OES CODES	CLUSTER NO.
TELLERS	53102376	0190
TEXTILE DRAW-OUT MACHINE OPERATOR	92711807	0820
TEXTILE DYEING MACHINE OPERATOR	92714805	0820
TEXTILE MACHINE OPRATORS & TENDERS, WINDING	92705808	0820
TEXTILE MACHINE SETTERS & SET-UP OPERATORS	92702809	1450
TIRE REPAIRERS & CHANGERS	85953654	1370
TITLE EXAMINERS & ABSTRACTORS	28311249	0230
TITLE SEARCHERS	28308250	0230
TOOL & DIE MAKERS	89102679	1590
TOOL GRINDERS, FILERS, SHARPENERS & OTHERS	89111686	1590
TRAFFIC TECHNICIANS	39005260	1140
TRAFFIC, SHIPPING & RECEIVING CLERKS	58028351	0300
TRANSIT CLERKS	53108321	0190
TRANSPORTATION AGENTS	58011355	0280
TRANSPORTATION ATTENDANTS, OTHER	68028490	0430
TRAVEL AGENTS	43021280	0430
TRAVEL CLERKS	53802336	0430
TRUCK DRIVERS	97101916	1710
TYPESETTING & COMPOSING MACHINE OPERATORS & TENDER	92541795	1020
TYPISTS	55308373	0270
TYPISTS, WORD PROCESSING EQUIPMENT	55311374	0270
U.S. MARSHALLS	63026480	0960
UNDERGROUND LOADING MACHINE OPERATORS	97932964	1700
UNDERWRITERS	21102035	0320
UPHOLSTERERS	89508698	1560
URBAN AND REGIONAL PLANNERS	27105100	1150
USHERS, LOBBY ATTENDANTS & TICKET TAKERS	68021453	0460
VEHICLE, EQUIPMENT CLEANERS	98905987	1370
VENDORS, SOLICITORS & RELATED WORKERS	49026291	0380
VETERINARIANS, VETERINARY INSPECTORS	32114176	0110
VOCATIONAL & EDUC. COUNSELORS	31514156	1800
WAITERS AND WAITRESSES	65008425	0840
WARDROBE, LOCKER ROOM & DRESSING ROOM ATTENDANTS	68032491	0830
WATCH & CLOCK ASSEMBLERS & RELATED WORKERS, PRECIS	93117864	1540
WATCHMAKERS	85917655	1540
WATER & LIQUID WASTE TREATMENT PLANT & SYSTEM OPS	95002904	1230
WEIGHERS, MEASURERS, CHECKERS & SAMPLERS, RCDKPG	58017352	0300
WELDERS & CUTTERS	93914881	1570
WELDING MACHINE OPERATORS & TENDERS	91705757	1570
WELDING MACHINE SETTERS & SET-UP OPERATORS	91702758	1570
WELFARE ELIGIBILITY WORKERS	53502301	0770
WELL HEAD PUMPERS	97911958	1680
WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	21302036	0380
WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	21302036	0400
WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	21302036	0890
WOOD MACHINISTS	89308708	1650
WOODWORKING MACHINE OPERATORS & TENDERS	92314816	1650
WOODWORKING MACHINE SETTERS & SET-UP OPERATORS	92311817	1650
WRITERS AND EDITORS	34002197	0990
WRITERS AND EDITORS	34002197	1000

Numerical Listing By OCCUPATIONAL CODES

OES CODES	CLUSTER TITLE	CLUSTER NO.
13002004	FINANCIAL MANAGERS	0180
13005008	PERSONNEL, TRAINING, LABOR REL. MGR.	0130
13008012	PURCHASING MANAGERS	0350
13011007	MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	0340
13011007	MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	0370
13011007	MARKETING, ADVERTISING & PUBLIC RELATIONS MANAGERS	0380
13014014	ADMINISTRATIVE SERVICES MANAGERS	0250
13014014	ADMINISTRATIVE SERVICES MANAGERS	0750
13017017	ENGINEER, MATH, NATURAL SCIENCE MGR.	0130
15002009	POSTMASTERS, MAIL SUPERINTENDENTS	0210
15005003	EDUCATION ADMINISTRATORS	1800
15008020	MEDICINE AND HEALTH SERVICE MANAGER	0750
15011010	PROPERTY & REAL ESTATE MANAGERS & ADMINISTRATORS	0330
15014019	INDUSTRIAL PRODUCTION MANAGERS	1250
15017016	CONSTRUCTION MANAGERS	1360
15021021	MINING AND RELATED MANAGERS	1280
15023015	COMMUNICATION, TRANSPORTATION & UTILITY OPS. MGRS.	0420
15026005	FOOD SERVICE & LODGING MANAGERS	0440
15026005	FOOD SERVICE & LODGING MANAGERS	0450
19002011	PUBLIC ADMIN., LEGAL, GEN. ADMIN.	0130
19005006	GENERAL MANAGER & TOP EXECUTIVE	0130
19999022	ALL OTHER MANAGERS & ADMINISTRATORS	0380
19999022	ALL OTHER MANAGERS & ADMINISTRATORS	0440
19999022	ALL OTHER MANAGERS & ADMINISTRATORS	0460
19999022	ALL OTHER MANAGERS & ADMINISTRATORS	0800
19999022	ALL OTHER MANAGERS & ADMINISTRATORS	0370
21102035	UNDERWRITERS	0320
21105041	CREDIT ANALYSTS	0360
21108030	LOAN OFFICERS & COUNSELORS	0360
21111045	TAX PREPARERS	0180
21114024	ACCOUNTANTS & AUDITORS	0180
21117039	BUDGET ANALYSTS	0180
21199046	ALL OTHER FINANCIAL SPECIALISTS	0360
21302036	WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	0380
21302036	WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	0400
21302036	WHOLESALE & RETAIL BUYERS, EXC. FARM PRODUCTS	0890
21305043	PURCHASING AGENTS & BUYERS, FARM PRODUCTS	0060
21308033	PURCHASING AGENTS, EXC. WHOLESALE, RETAIL & FARM	0350
21502040	CLAIMS TAKERS, UNEMPLOYMENT BENEFITS	0200
21505044	SPECIAL AGENTS,INSURANCE	0320
21508029	EMPLOYMENT INTERVIEWERS, PRVT. OR PUB. EMP. SVC.	0200
21511032	PERSONNEL TRAIN., LABOR REL. SPEC.	0200
21902028	COST ESTIMATORS	1130
21902028	COST ESTIMATORS	1250
21905031	MANAGEMENT ANALYSTS	0130
21908027	CONSTRUCTION & BUILDING INSPECTORS	1470
21911026	COMPLIANCE & ENFORCEMENT INSPECTORS, EXC. CONSTR.	1270
21914034	TAX EXAMINERS, COLLECTORS & REVENUE AGENTS	0180
21917038	ASSESSORS	0180
21921025	CLAIMS EXAMINERS, INSURANCE	0320
22102050	AERONAUTICAL AND ASTRO. ENGINEERS	1115

Numerical Listing By OCCUPATIONAL CODES

OES CODES	CLUSTER TITLE	CLUSTER NO.
22105056	METALLURGIST AND RELATED ENGINEER	1090
22108057	MINING ENGINEERS, INCL. SAFETY	1090
22111059	PETROLEUM ENGINEERS	1110
22114051	CHEMICAL ENGINEERS	1040
22121052	CIVIL ENGINEERS, INCL. TRAFFIC	1050
22123061	AGRICULTURAL ENGINEER	1100
22126053	ELECTRICAL & ELECTRONIC ENGINEERS	1060
22128054	INDUSTRIAL ENGINEER, EXC. SAFETY	1070
22132065	SAFETY ENGINEER, EXC. MINING	1120
22135055	MECHANICAL ENGINEERS	1080
22138064	MARINE ENGINEERS	1120
22199066	ALL OTHER ENGINEERS	1120
22302067	ARCHITECTS, EXC. LAND AND MARINE	1760
22308068	LANDSCAPE ARCHITECTS	1760
22311070	SURVEYING AND MAPPING SCIENTIST	1140
22502224	CIVIL ENGINEERING TECHNICIANS	1140
22505222	ELECTRICAL & ELECTRONIC TECHNICIANS/TECHNOLOGISTS	1160
22508226	INDUSTRIAL ENGINEERING TECHNICIANS & TECHNOLOGISTS	1250
22511227	MECHANICAL ENGINEERING TECHNICIANS & TECHNOLOGISTS	1130
22514230	DRAFTERS	1130
22517231	ESTIMATORS & DRAFTERS, UTILITIES	1130
22521071	SURVEYING & MAPPING TECHNICIANS & TECHNOLOGISTS	1140
22599228	ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	1160
22599228	ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	1300
22599228	ALL OTHER ENGINEERING TECHNICIANS & TECHNOLOGISTS	1330
24102093	PHYSICISTS AND ASTRONOMERS	1870
24105090	CHEMISTS, EXCEPT BIOCHEMISTS	1870
24108092	METEOROLOGISTS	1870
24111091	GEOLOGIST, GEOPHYSICIST, OCEANOG.	1870
24199096	ALL OTHER PHYSICAL SCIENTISTS	1870
24302077	FORESTERS & CONSERVATION SCIENTISTS	0090
24305075	AGRIC. AND FOOD SCIENTISTS	1880
24308076	BIOLOGICAL SCIENTISTS	1880
24311080	MEDICAL SCIENTISTS	1880
24399081	ALL OTHER LIFE SCIENTISTS	1880
24502235	BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL. EXC. HLTH	0020
24502235	BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL, EXC. HLTH	0050
24502235	BIOLOGICAL/AGRICULTURAL TECHNIC/TECHNOL, EXC. HLTH	1310
24505236	CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	0850
24505236	CHEMICAL TECHNICIANS & TECHNOLOGISTS, EXC. HEALTH	1240
24511233	PETROLEUM TECHNICIANS & TECHNOLOGISTS	1290
24599234	ALL OTHER SCIENCE TECHNICIANS & TECHNOLOGISTS	1300
25102073	COMPUTER SYSTEMS ANALYSTS,EDP	0140
25105245	COMPUTER PROGRAMMERS	0150
25108244	COMPUTER PROGRAMMER AIDES	0150
25111255	PROGRAMMERS: NUMERICAL TOOL	1590
25302088	OPERATIONS AND SYSTEMS ANAYLYSTS	0140
25312084	STATISTICIANS	1750
25313083	ACTUARIES	1750
25315042	FINANCIAL ANALYSTS, STATISTICAL	1750
25319087	ALL OTHER MATH. SCIENTISTS	1750

Numerical Listing By OCCUPATIONAL CODES

OES CODES	CLUSTER TITLE	CLUSTER NO.
27102098	ECONOMISTS, MARKET ANALYSTS	1770
27105100	URBAN AND REGIONAL PLANNERS	1150
27108099	PSYCHOLOGISTS	0760
27109096	SOCIOLOGISTS	1770
27199103	ALL OTHER SOCIAL SCIENTISTS	1770
27302110	SOCIAL WORKER, MED.& PSYCHIATRIC	0770
27305111	SOCIAL WORKERS EX.MED. & PSYCHIATRIC	0770
27308108	SOCIAL SERVICE TECHNICIANS	0770
27311107	RECREATION WORKERS	0460
27311107	RECREATION WORKERS	0810
27502105	CLERGY	1780
27505106	DIRECTORS, RELIG. ACTIV./EDUC.	1780
27599262	ALL OTHER RELIGIOUS WORKERS	1780
28102155	JUDGES AND MAGISTRATES	0220
28105114	ADJUDICATORS AND HEARING OFFICERS	0220
28108116	LAWYERS	0220
28302252	LAW CLERKS	0230
28305247	PARALEGAL PERSONNEL	0230
28308250	TITLE SEARCHERS	0230
28311249	TITLE EXAMINERS & ABSTRACTORS	0230
28399254	ALL OTHER LEGAL ASSISTANTS & TECHNICIANS	0230
31111128	LECTURERS	1810
31114150	NURSING INSTRUCTORS	1810
31117147	GRADUATE ASSISTANTS, TEACHING	1810
31202135	LIFE SCIENCE TEACHERS	1810
31204130	CHEMISTRY TEACHERS	1810
31206137	PHYSICS TEACHERS	1810
31209139	ALL OTHER PHYS. SCIENCE TEACHERS	1810
31210138	SOCIAL SCIENCE TEACHERS	1810
31212134	HEALTH SPECIALTIES TEACHERS	1810
31216133	ENGLISH & FOR. LANG. TEACHERS	1810
31218129	ART, DRAMA, AND MUSIC TEACHERS	1810
31222132	ENGINEERING TEACHERS	1810
31224136	MATHEMATICAL SCIENCE TEACHERS	1810
31226131	COMPUTER SCIENCE TEACHERS	1810
31299140	ALL OTHER POST SECONDARY TEACHERS	1810
31302119	TEACHERS, PRESCHOOL & KINDERGARTEN	0800
31302119	TEACHERS, PRESCHOOL & KINDERGARTEN	1820
31305120	TEACHERS, ELEMENTARY	1820
31308123	TEACHERS, SECONDARY SCHOOL	1820
31311151	TEACHERS, SPECIAL EDUCATION	1830
31314145	TEACHERS, VOCATIONAL EDUCATION	1820
31317144	INSTRUCTORS, NONVOCATIONAL EDUCATION	1820
31321148	INSTRUCTORS AND COACHES, SPORTS	1820
31323142	FARM & HOME MANAGEMENT ADVISORS	0010
31399152	ALL OTHER TEACHERS, INSTRUCTORS	1820
31502155	LIBRARIANS, PROFESSIONAL	1850
31505256	TECHNICAL ASSISTANTS,LIBRA	1860
31508265	AUDIO-VISUAL SPECIALISTS	1800
31511154	CURATORS, ARCHIVISTS, MUSEUM TECHS	1850
31514156	VOCATIONAL & EDUC. COUNSELORS	1800

Numerical Listing By OCCUPATIONAL CODES

OES CODES	CLUSTER TITLE	CLUSTER NO.
31517149	INSTRUCTIONAL COORDINATORS	1800
31521390	TEACHER AIDES, PARAPROFESSIONAL	1840
32102164	PHYSICIANS AND SURGEONS	0510
32105158	DENTISTS	0470
32108160	OPTOMETRISTS	0710
32111162	PODIATRISTS	0780
32114176	VETERINARIANS, VETERINARY INSPECTORS	0110
32199218	ALL OTHER HEALTH PRACTITIONERS	0780
32302170	RESPIRATORY THERAPISTS	0680
32305167	OCCUPATIONAL THERAPISTS	0630
32308168	PHYSICAL THERAPISTS	0650
32311173	CORRECTIVE & MANUAL ARTS THERAPISTS	0700
32314171	SPEECH PATHOLOGISTS & AUDIOLOGISTS	0690
32317169	RECREATIONAL THERAPISTS	0700
32399175	ALL OTHER THERAPISTS	0700
32502165	REGISTERED NURSES	0520
32505205	LICENSED PRACTICAL NURSES	0530
32508204	EMERGENCY MEDICAL TECHNICIANS	0590
32511163	PHYSICIANS ASSISTANTS	0550
32514211	OPTICIANS, DISPENSING & MEASURING	0720
32517161	PHARMACISTS	0730
32521159	DIETICIANS AND NUTRITIONISTS	0870
32523201	DIETETIC TECHNICIANS	0880
32902208	MEDICAL & CLINICAL LABORATORY TECHNOLOGISTS	0600
32905207	MEDICAL & CLINICAL LABORATORY TECHNICIANS	0120
32905207	MEDICAL & CLINICAL LABORATORY TECHNICIANS	0600
32908200	DENTAL HYGIENISTS	0490
32911209	MEDICAL RECORD TECHNICIANS & TECHNOLOGISTS	0610
32914210	NUCLEAR MEDICINE TECHNOLOGISTS	0670
32917214	RADIOLOGIC TECHNOLOGISTS	0670
32921213	RADIOLOGIC TECHNICIANS	0670
32923203	ELECTROENCEPHALOGRAPH TECHNICIANS/TECHNOLOGISTS	0580
32926202	ELECTROCARDIOGRAPH TECHNICIANS/TECHNOLOGISTS	0570
32928215	SURGICAL TECHNICIANS	0620
32999219	ALL OTHER HEALTH PROFESSIONALS & PARAPROFESSIONALS	0790
34002197	WRITERS AND EDITORS	0990
34002197	WRITERS AND EDITORS	1000
34005196	TECHNICAL WRITERS	0990
34005196	TECHNICAL WRITERS	1000
34008190	PUBLIC RELATIONS SPECIALISTS & PUBLICITY WRITERS	0340
34011194	REPORTERS AND CORRESPONDENTS	0990
34011194	REPORTERS AND CORRESPONDENTS	1000
34014193	BROADCAST NEWS ANALYSTS	0990
34017192	ANNOUNCERS, RADIO AND T.V.	0990
34021263	ANNOUNCERS, OTHER	0990
34023188	PHOTOGRAPHERS	0980
34026187	CAMERA OPERATORS, TELEVISION & MOTION PICTURE	0990
34028242	BROADCAST TECHNICIANS	0990
34032266	FILM EDITORS	0990
34035178	ARTISTS & RELATED WORKERS	1010
34038181	DESIGNERS, EXCEPT INTERIOR DESIGNERS	0080

OES CODES	CLUSTER TITLE	CLUSTER NO.
34038181	DESIGNERS, EXCEPT INTERIOR DESIGNERS	1010
34041182	INTERIOR DESIGNERS	0890
34044267	MERCHANDISE DISPLAYERS & WINDOW TRIMMERS	0340
34047184	MUSIC DIRECTORS, SINGERS, AND RELATED	1790
34051185	MUSICIANS, INSTRUMENTAL	1790
34053179	DANCERS AND CHOREOGRAPHERS	1790
34056189	PROD., DIRECT., ACTORS, ENTERTAINERS	1790
39002241	AIR TRAFFIC CONTROLLERS	1350
39005260	TRAFFIC TECHNICIANS	1140
39008258	RADIO OPERATORS	1420
39011018	FUNERAL DIRECTORS & MORTICIANS	0950
39014259	EMBALMERS	0950
41002284	1ST LINE SUPERVISORS & MGR/SUPS, SALES	0380
41002284	1ST LINE SUPERVISORS & MGR/SUPS, SALES	0390
43002272	INSURANCE SALES WORKERS	0320
43005274	BROKERS, REAL ESTATE	0330
43008275	SALES AGENTS, REAL ESTATE	0330
43011276	REAL ESTATE APPRAISERS	0330
43014278	SECURITIES & FINANCIAL SERVICES SALES WORKERS	0360
43017287	SALES AGENTS, SELECTED BUSINESS SERVICES	0060
43017287	SALES AGENTS, SELECTED BUSINESS SERVICES	0370
43017287	SALES AGENTS, SELECTED BUSINESS SERVICES	0440
43021280	TRAVEL AGENTS	0430
43023286	SALES AGENTS, ADVERTISING	0340
43099282	ALL OTHER SERVICE SALES OCCUPATIONS	0370
43099282	ALL OTHER SERVICE SALES OCCUPATIONS	0440
49002288	SALES ENGINEERS	0060
49002288	SALES ENGINEERS	0410
49005290	SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EXC. RETAIL	0060
49005290	SALES REPS, SCIENTIFIC PRODUCTS/SVCS, EXC. RETAIL	0410
49008285	SALES REPS., EXC. SCIENTIFIC & RETAIL	0380
49008285	SALES REPS., EXC. SCIENTIFIC & RETAIL	0400
49008285	SALES REPS., EXC. SCIENTIFIC & RETAIL	0410
49008285	SALES REPS., EXC. SCIENTIFIC & RETAIL	0900
49011277	SALESPERSONS, RETAIL	0380
49011277	SALESPERSONS, RETAIL	0400
49014289	SALESPERSONS, PARTS	0380
49017271	COUNTER & RENTAL CLERKS	0380
49021279	STOCK CLERKS, SALES FLOOR	0380
49023270	CASHIERS	0380
49026291	VENDORS, SOLICITORS & RELATED WORKERS	0380
49032283	DEMONSTRATORS, PROMOTERS & MODELS	0380
49999292	ALL OTHER SALES & RELATED WORKERS	0380
51002383	1ST LINE SUPERVISORS & MGR/SUPS, CLERICAL	0250
53102376	TELLERS	0190
53105332	NEW ACCOUNTS CLERKS	0190
53108321	TRANSIT CLERKS	0190
53111306	LOAN INTERVIEWERS	0190
53114378	CREDIT AUTHORIZERS	0190
53117379	CREDIT CHECKERS	0190
53121384	LOAN & CREDIT CLERKS	0190

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OES CODES	CLUSTER TITLE	CLUSTER NO.
53123295	ADJUSTMENT CLERKS	0280
53126364	STATEMENT CLERKS	0180
53128359	BROKERAGE CLERKS	0360
53302298	INSURANCE ADJUSTERS, EXAMINERS & INVESTIGATORS	0320
53305303	INSURANCE APPRAISERS, AUTO DAMAGE	0320
53308304	INSURANCE EXAMINING CLERKS	0310
53311299	INSURANCE CLAIMS CLERKS	0310
53314300	INSURANCE POLICY PROCESSING CLERKS	0310
53502301	WELFARE ELIGIBILITY WORKERS	0770
53505394	INVESTIGATORS, CLERICAL	0280
53508296	BILL & ACCOUNT COLLECTORS	0190
53702377	COURT CLERKS	0240
53705385	MUNICIPAL CLERKS	0260
53708305	LICENSE CLERKS	0280
53802336	TRAVEL CLERKS	0430
53805335	RESERVATION & TRANSPORTATION TICKET AGENTS	0430
53808330	HOTEL DESK CLERKS	0440
53902361	LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	1860
53905389	TEACHER AIDES AND EDUCATIONAL ASSISTANTS	1840
53908358	ADVERTISING CLERKS	0340
53911392	PROOFREADERS & COPY MARKERS	1020
53914386	REAL ESTATE CLERKS	0280
55102367	LEGAL SECRETARIES	0260
55105368	MEDICAL SECRETARIES	0260
55199370	GENERAL SECRETARIES	0260
55302371	STENOGRAPHERS	0240
55305333	RECEPTIONISTS & INFORMATION CLERKS	0290
55308373	TYPISTS	0270
55311374	TYPISTS, WORD PROCESSING EQUIPMENT	0270
55314363	PERSONNEL CLERKS, EXC. PAYROLL & TIMEKEEPING	0200
55317393	CORRESPONDENCE CLERKS	0280
55321360	FILE CLERKS	0280
55323362	ORDER CLERKS, MATERIALS, MERCHANDISE & SERVICE	0280
55326348	PROCUREMENT CLERKS	0300
55328387	STATISTICAL CLERKS	0180
55332331	INTERVIEWING CLERKS, EXC. PERSONNEL/SOCIAL WELFARE	0280
55332331	INTERVIEWING CLERKS, EXC. PERSONNEL/SOCIAL WELFARE	0750
55335380	CUSTOMER SERVICE REPRESENTATIVES, UTILITIES	0370
55338326	BOOKKEEPING & ACCOUNTING CLERKS	0180
55341327	PAYROLL & TIMEKEEPING CLERKS	0180
55344324	BILLING, COST & RATE CLERKS	0280
55347328	GENERAL OFFICE CLERKS	0280
56002325	BILLING, POSTING & CALCULATING MACHINE OPERATORS	0180
56005319	DUPLICATING MACHINE OPERATORS	0280
56008320	MAIL MACHINE OPERATORS, PREPARATION & HANDLING	0280
56011316	COMPUTER OPERATORS, EXC. PERIPHERAL EQUIP.	0160
56014317	PERIPHERAL EDP EQPT OPERAT	0160
56017381	DATA ENTRY KEYERS, EXC. COMPOSING	0170
56021382	DATA KEYERS, COMPOSING	1020
56099322	ALL OTHER OFFICE MACHINE OPERATORS	0280
57102311	SWITCHBOARD OPERATORS	0290

OES CODES	CLUSTER TITLE	CLUSTER NO.
57105310	DIRECTORY ASSISTANCE OPERATORS	0290
57108309	CENTRAL OFFICE OPERATORS	0290
57111313	TELEGRAPH AND TELETYPE OPERATORS	0290
57199314	ALL OTHER COMMUNICATION OPERATORS	0290
57302338	MAIL CLERKS, EXC. MAIL MACHINE OPS & POSTAL SVC	0280
57305340	POSTAL MAIL CARRIERS	0210
57308341	POSTAL SERVICE CLERKS	0210
57311339	MESSENGERS	0290
58002345	DISPATCHERS: POLICE, FIRE, AMBULANCE	0960
58005344	DISPATCHERS: EXC. POLICE, FIRE, AMBULANCE	0290
58008349	PRODUCTION, PLANNING & EXPEDITING CLERKS	0200
58011355	TRANSPORTATION AGENTS	0280
58014346	METER READERS, UTILITIES	0280
58017352	WEIGHERS, MEASURERS, CHECKERS & SAMPLERS, RCDKPG	0300
58021354	MARKING CLERKS	0380
58023350	STOCK CLERKS, STOCKROOM, WAREHOUSE OR YARD	0300
58026347	ORDER FILLERS, WHOLESALE & RETAIL SALES	0300
58028351	TRAFFIC, SHIPPING & RECEIVING CLERKS	0300
58099356	ALL OTHER MATERIAL WORKERS	0300
59999395	ALL OTHER CLERICAL & ADMINI. SUPPORT WORKERS	0280
61002465	FIRE FIGHTING & PREVENTION SUPERVISORS	0970
61005470	POLICE & DETECTIVE SUPERVISORS	0960
61008398	HOUSEKEEPERS, INSTITUTIONAL	0910
61099492	ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	0440
61099492	ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	0460
61099492	ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	0840
61099492	ALL OTHER SERVICE SUPERVISORS & MGR/SUPS	0910
63002467	FIRE INSPECTORS	0970
63008464	FIRE FIGHTERS	0970
63011473	POLICE DETECTIVES	0960
63014474	POLICE PATROL OFFICERS	0960
63017462	CORRECTION OFFICERS & JAILERS	0960
63021478	PARKING ENFORCEMENT OFFICERS	0960
63023479	BAILIFFS	0960
63026480	U.S. MARSHALLS	0960
63028472	CRIMINAL INVESTIGATORS, FEDERAL	0960
63032481	SHERIFFS, DEPUTY SHERIFFS, U.S. MARSHALLS	0960
63035482	PRIVATE DETECTIVE & INVESTIGATOR	0960
63038483	RAILROAD & TRANSIT POLICE & SPECIAL AGENTS	0960
63041484	FISH & GAME WARDENS	0030
63044475	CROSSING GUARDS	0960
63047476	GUARDS AND WATCH GUARDS	0960
63099485	ALL OTHER PROTECTIVE SERVICES	0960
65002424	HOSTS & HOSTESSES, RESTAURANT/LOUNGE/COFFEE SHOP	0840
65005418	BARTENDERS	0840
65008425	WAITERS AND WAITRESSES	0840
65011423	FOOD SERVERS, OUTSIDE	0840
65011423	FOOD SERVERS, OUTSIDE.	0880
65014419	DINING ROOM & CAFETERIA ATTENDANTS & BAR HELPERS	0840
65017421	COUNTER ATTENDANTS, LUNCHROOM, CAFETERIA OR COFFEE	0840
65021410	BAKERS, BREAD & PASTRY	0840

Numerical Listing By OCCUPATIONAL CODES

OES CODES	CLUSTER TITLE	CLUSTER NO.
65023668	BUTCHERS & MEAT CUTTERS	0860
65026412	COOKS,RESTAURANT	0840
65028411	COOKS, INSTITUTION OR CAFETERIA	0840
65032415	COOKS, SPECIALITY-FAST FOOD	0840
65035414	COOKS, SHORT ORDER	0840
65038416	FOOD PREPARATION WORKERS	0840
65041422	COMB. FOOD PREPARATION & SERVICE	0840
65099428	ALL OTHER FOOD SERVICE WORKERS	0840
66002431	DENTAL ASSISTANTS	0480
66005432	MEDICAL ASSISTANTS	0560
66008434	NURSING AIDES, ORDERLIES & ATTENDANTS	0540
66011451	HOME HEALTH AIDES	0540
66014435	PSYCHIATRIC AIDES	0770
66017438	PHYSICAL & CORRECTIVE THERAPY ASSISTANTS & AIDES	0660
66021436	OCCUPATIONAL THERAPY ASSISTANTS & AIDES	0640
66023430	AMBULANCE DRIVERS AND ATTENDANTS, EXCEPTS EMTS.	0590
66026437	PHARMACY ASSISTANTS	0740
66099439	ALL OTHER HEALTH SERVICE WORKERS	0790
67001399	JANITORS, CLEANERS, MAIDS	0910
67002401	MAIDS & HOUSEKEEPING CLEANERS	0910
67005400	JANITORS & CLEANERS, EXC. MAIDS	0910
67008402	PEST CONTROLLERS & ASSISTANTS	0050
67011405	ELEVATOR OPERATORS	1670
67099406	ALL OTHER CLEANING & BUILDING SERVICE WORKERS	0910
68002443	BARBERS	0940
68005446	HAIRDRESSERS, HAIRSTYLISTS & COSMETOLOGISTS	0940
68008447	MANICURISTS	0940
68011448	SHAMPOOERS	0940
68014441	AMUSEMENT & RECREATION ATTENDANTS	0460
68017487	GUIDES	0460
68021453	USHERS, LOBBY ATTENDANTS & TICKET TAKERS	0460
68023442	BAGGAGE PORTERS AND BELLHOPS	0440
68028490	TRANSPORTATION ATTENDANTS, OTHER	0430
68032491	WARDROBE, LOCKER ROOM & DRESSING ROOM ATTENDANTS	0830
68035452	SOCIAL WELFARE SERVICE AIDES	0920
68038444	CHILD CARE WORKERS	0810
68041489	FUNERAL ATTENDANTS	0950
71002505	FARMERS	0020
71005506	FARM MANAGERS	0010
72000497	1ST LINE SUPERVISORS, FORESTRY & LOGGING WORKERS	0100
73002515	FALLERS & BUCKERS	0100
73008517	LOG HANDLING EQUIPMENT OPERATORS	0100
73011516	LOGGING TRACTOR OPERATORS	0100
73099521	ALL OTHER TIMBER CUTTING & RELATED LOGGING WORKERS	0100
74002502	FARM WORKERS	0020
77002508	CAPTAINS & OFFICERS, FISH. VESSEL	1730
79002513	FOREST & CONSERVATION WORKERS	0090
79005503	NURSERY WORKERS	0070
79008520	LOG GRADERS & SCALERS	0100
79011524	GRADERS & SORTERS, AGRICULTURAL PRODUCTS	0850
79014496	GARDENERS & GROUNDSKEEPERS, EXC. FARM	0070

OES CODES	CLUSTER TITLE	CLUSTER NO.
79017495	ANIMAL CARETAKERS, EXC. FARM	0120
79021523	FARM EQUIPMENT OPERATORS	0020
79999527	ALL OTHER AGRICULTURE, FORESTRY, FISHING & REL. WK	0050
81002533	1ST LINE SUPERVISORS: MECHANICS/INSTALLRS/REPAIRER	1360
81005529	1ST LINE SUPERVISORS: CONSTR/TRDS/EXTRACTIVE WKRS	1360
81008530	1ST LINE SUPERVISORS, PRODUCTION & OPERATIVE WKRS	0820
81008530	1ST LINE SUPERVISORS: PRODUCTION & OPERATIVE WKRS	1360
81011534	1ST LINE SUPERVISORS: TRANS/MATERIAL MOV/VEHICLE	1360
81017532	1ST LINE SUPERVISORS: HELP, LABORERS	1360
81099531	ALL OTHER FIRST LINE SUPERVISORS	1360
83002713	PRECISION INSPEC., TESTERS & GRADERS	0840
83002713	PRECISION INSPEC., TESTERS & GRADERS	1160
83002713	PRECISION INSPEC., TESTERS & GRADERS	1260
83002713	PRECISION INSPEC., TESTERS & GRADERS	1330
83002713	PRECISION INSPEC., TESTERS & GRADERS	1590
83002713	PRECISION INSPEC., TESTERS & GRADERS	1600
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	0820
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	0850
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	1170
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	1180
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	1260
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	1590
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	1600
83005714	PRODUCTION INSPECTORS, TESTERS, GRADERS & SORTERS	1620
85112619	MACHINERY MAINTENANCE MECHANICS, TEXTILE MACHINES	1450
85113618	MACHINERY MAINTENANCE MECHANICS, SEWING MACHINE	1430
85118620	MACHINERY MAINTENANCE MECHANICS, WATER/POWER	1220
85119622	ALL OTHER MACHINERY MAINTENANCE MECHANICS	1450
85123626	MILLWRIGHTS	1450
85126566	REFRACTORY MATERIAL REPAIRERS, EXC. BRICKMASONS	1580
85128623	MACHINERY MAINTENANCE WORKERS	1450
85132625	MAINTENANCE REPAIRERS, GENERAL UTILITY	1500
85302632	AUTOMOTIVE MECHANICS	1370
85305631	AUTOMOTIVE BODY & RELATED REPAIRERS	1380
85308636	MOTORCYCLE REPAIRERS	1410
85311633	BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS	1400
85314635	MOBILE HEAVY EQUIPMENT MECHANICS, EXC. ENGINE	1440
85317637	RAIL CAR REPAIRERS	1440
85321634	FARM EQUIPMENT MECHANICS	0040
85323630	AIRCRAFT MECHANICS	1390
85326629	AIRCRAFT ENGINE SPECIALISTS	1390
85328638	SMALL ENGINE SPECIALISTS	1410
85502598	CENTRAL OFFICE & PBX INSTALLERS & REPAIRERS	1420
85505599	FRAME WIRERS, CENTRAL OFFICE	1420
85508603	TELEGRAPH & TELETYPE INSTALLERS & REPAIRERS	1420
85511601	SIGNAL OR TRACK SWITCH MAINTENANCE	1720
85514600	RADIO MECHANICS	1420
85599604	ALL OTHER COMMUN. EQUIP. MECHANICS/INSTALLRS/RPRS	1420
85702611	TEL. & CABLE TV LINE INSTALLERS & REPAIRERS	1460
85705606	DATA PROCESSING EQUIPMENT REPAIRERS	1170
85708608	HOME ENTERTAINMENT EQUIP. REPAIRERS	1420

OES CODES	CLUSTER TITLE	CLUSTER NO.
85711648	ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	1430
85714614	ELECTRIC MOTOR, TRANSFORMER & RELATED REPAIRERS	1430
85717609	ELECTRONICS REPAIRERS, COMMERCIAL & INDUS. EQUIP.	1170
85721661	POWERHOUSE, SUBSTATION, & RELAY ELECTRICIAN	1220
85723607	ELECTRICAL POWERLINE INSTALLERS & REPAIRERS	1460
85726610	TELEPHONE STATION INSTALL. & REPAIR	1420
85728613	ELECTRICAL INSTALLERS & REPAIRERS, TRANS. EQUIP.	1370
85728613	ELECTRICAL INSTALLERS & REPAIRERS, TRANS. EQUIP.	1390
85799662	ALL OTHER ELECTRIC., ELECTRO. MECH.	1430
85902646	HEATING, A/C & REFRIGERATION MECHANICS/INSTALLERS	1190
85905652	PRECISION INSTRUMENT REPAIRERS	1180
85908644	ELECTROMEDICAL & BIOMEDICAL EQUIPMENT REPAIRERS	1200
85911643	ELECTRIC METER INSTALLERS & REPAIRERS	1460
85914641	CAMERA & PHOTOGRAPHIC EQUIPMENT REPAIRERS	1420
85917655	WATCHMAKERS	1540
85921650	MUSICAL INSTRUMENT REPAIRERS & TUNERS	1520
85923657	LOCKSMITHS & SAFE REPAIRERS	1510
85926651	OFFICE MACHINE & CASH REGISTER SERVICERS	1170
85928658	MECHANICAL CONTROL & VALVE INSTALLERS/REPAIRERS	1180
85932645	ELEVATOR INSTALLERS & REPAIRERS	1450
85935653	RIGGERS	1660
85935653	RIGGERS	1740
85938660	MOBILE HOME REPAIRERS	1500
85944649	GAS APPLIANCE REPAIRERS	1430
85947642	COIN & VENDING MACHINE SERVICERS & REPAIRERS	1430
85951640	BICYCLE REPAIRERS	1530
85953654	TIRE REPAIRERS & CHANGERS	1370
85956659	MENDERS, GARMENTS, LINENS & RELATED	0830
85999663	ALL OTHER MECHANICS, INSTALLERS	1370
87102541	CARPENTERS	1470
87105543	CEILING TILE INSTALLERS & ACOUSTICAL CARPENTERS	1470
87108546	DRYWALL INSTALLERS	1470
87111547	TAPERS	1470
87114548	LATHERS	1470
87202549	ELECTRICIANS	1460
87302537	BRICK MASONS	1480
87305538	STONE MASONS	1480
87308551	HARD TILE SETTERS	1480
87311544	CONCRETE & TERRAZZO FINISHERS	1470
87314563	REINFORCING METAL WORKERS	1470
87317559	PLASTERERS	1470
87402554	PAINTERS & PAPERHANGERS,CONSTRUCTION & MAINTENANCE	1470
87502560	PLUMBERS, PIPEFITTERS & STEAMFITTERS	1490
87505558	PIPELAYING FITTERS	1490
87508557	PIPELAYERS	1490
87511567	SEPTIC TANK SERVICERS & SEWER PIPE CLEANERS	1490
87602542	CARPET INSTALLERS	1470
87605568	FLOOR LAYERS, EXC. CARPET, WOOD & HARD TILE	1470
87608569	FLOOR SANDING MACHINE OPERATORS	1470
87702570	AIR HAMMER OPERATORS	1660
87705571	PILE DRIVING OPERATORS	1660

OES CODES	CLUSTER TITLE	CLUSTER NO.
87708555	PAVING, SURFACING & TAMPING EQUIPMENT OPERATORS	1660
87711552	HIGHWAY MAINTENANCE WORKERS	1660
87714572	RAIL-TRACK LAYING & MAINTENANCE EQUIP. OPERATORS	1660
87802553	INSULATION WORKERS	1470
87805573	SHEET METAL DUCT INSTALLERS	1190
87808561	ROOFERS	1470
87811550	GLAZIERS	1470
87814564	STRUCTURAL METAL WORKERS	1600
87817574	FENCE ERECTORS	1470
87899575	ALL OTHER CONSTRUCTION TRADES WORKERS	1470
87902592	EARTH DRILLERS, EXC. OIL & GAS EXTRACTION	1660
87902592	EARTH DRILLERS, EXC. OIL & GAS EXTRACTION	1700
87905591	BLASTERS & EXPLOSIVES WORKERS	1680
87905591	BLASTERS & EXPLOSIVES WORKERS	1700
87908587	ROCK SPLITTERS,QUARRY	1700
87911581	ROTARY DRILL OPERATORS, OIL & GAS EXTRACTION	1680
87914580	DERRICK OPERATORS, OIL & GAS EXTRACTION	1680
87917582	SERVICE UNIT OPERATORS	1290
87921578	ROUSTABOUTS	1680
87940586	MINING MACHINE OPERATORS	1700
87941584	CONTINUOUS MINING MACHINE OPERATORS	1700
87943585	MINE CUTTING & CHANNELING MACHINE OPERATORS	1700
87949589	ALL OTHER MINING MACHINE OPERATORS	1700
87989593	ALL OTHER EXTRACTIVE OCCUP., EXC. HELPERS	1700
87999594	ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	1660
87999594	ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	1680
87999594	ALL OTHER CONSTRUCTION & EXTRACTIVE WORKERS	1700
89102679	TOOL & DIE MAKERS	1590
89105683	PRECISION INSTRUMENT MAKERS	1590
89108676	MACHINISTS	1590
89111686	TOOL GRINDERS, FILERS, SHARPENERS & OTHERS	1590
89114685	PATTERN & MODEL MAKERS, METAL	1610
89117684	PRECISION LAYOUT WORKERS, METAL	1610
89123675	JEWELERS & SILVERSMITHS	1630
89126682	PRECISION HAND WORKERS, JEWELRY	1630
89128681	PRECISION ETCHERS AND ENGRAVERS	1020
89132677	SHEET METAL WORKERS	1600
89135674	BOILERMAKERS	1600
89199687	ALL OTHER PRECISION METAL WORKERS	1600
89302707	PATTERN & MODEL MAKERS, WOOD	1650
89308708	WOOD MACHINISTS	1650
89311705	CABINETMAKERS & BENCH CARPENTERS	1650
89314706	FURNITURE FINISHERS	1650
89399709	ALL OTHER PRECISION WOODWORKERS	1650
89502696	FABRIC PATTERNMAKER, LAYOUT WORKER	0820
89505695	CUSTOM TAILORS & SEWERS	0830
89508698	UPHOLSTERERS	1560
89511697	SHOE & LEATHER WORKERS & REPAIRERS, PRECISION	1550
89514702	SPOTTERS, DRY CLEANING	0930
89517701	PRESSERS, DELICATE FABRICS	0930
89521700	PRECISION DYERS	0930

OES CODES	CLUSTER TITLE	CLUSTER NO.
89599703	ALL OTHER PRECISION TEXTILE, APPAREL & FURN. WKRS	0820
89702690	PRECISION COMPOSITOR, TYPESETTER	1020
89705691	JOB PRINTERS	1020
89708692	PRECISION LITHOGRAPHERS & PHOTOENGRAVING	1020
89711689	BOOKBINDERS	1030
89799693	ALL OTHER PRECISION PRINTING WORKERS	1020
89805666	BAKERS, MANUFACTURING	0840
89808671	FOOD BATCHMAKERS	0850
89899672	ALL OTHER PRECISION FOOD & TOBACCO WORKERS	0850
89902724	FOUNDRY MOLD & CORE MAKERS, PRECISION	1580
89905727	MOLDERS/SHAPERS, EXC. JEWELRY & FOUNDRY, PRECISION	1620
89908728	PATTERNMAKERS	1620
89911723	DETAIL DESIGN DECORATORS & PAINTERS, PRECISION	1010
89914721	PHOTOGRAPHIC PROCESS WORKERS, PRECISION	0980
89917720	OPTICAL GOODS WORKERS, PRECISION	1210
89921719	DENTAL LAB TECHNICIANS, PRECISION	0500
89923726	MEDICAL APPLIANCE MAKERS	0790
91105739	LATHE MACHINE TOOL SETTERS & SET-UP OPS, MTL/PLAS	1590
91108737	DRILLING MACHINE TOOL SETTERS & SET-UP OPS, MTL/PL	1590
91111746	MILLING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	1590
91114738	GRINDING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	1590
91117741	MACHINE TOOL CUTTING OPERATORS/TENDERS, METAL/PLAS	1540
91117741	MACHINE TOOL CUTTING OPERATORS/TENDERS, METAL/PLAS	1590
91302742	PUNCHING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	1600
91305747	PRESS MACHINE SETTERS & SET-UP OPS, METAL/PLAS	1600
91308750	SHEAR MACHINE SETTERS & SET-UP OPS, METAL/PLAS	1600
91311692	EXT. & DRAW. MACHINE SETTERS & SET-UP OPS, MTL/PLS	1640
91311744	EXTRUDING & DRAWING MACHINE SETTERS/SET-UP OPS M/P	1590
91314748	ROLLING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	1590
91317745	FORGING MACHINE SETTERS & SET-UP OPS, METAL/PLAS	1590
91321740	MACHINE FORMING OPERATORS & TENDERS, METAL/PLASTIC	1600
91502732	NUMERICALLY CONTRL. MACHINE TOOL OPS/TNDRS MTL/PLS	1590
91505735	COMBINATION MACHINE TOOL SETTERS & SET-UP OPS, M/P	1590
91508734	COMBINATION MACHINE TOOL OPERATORS/TNDRS, MTL/PLAS	1590
91702758	WELDING MACHINE SETTERS & SET-UP OPERATORS	1570
91705757	WELDING MACHINE OPERATORS & TENDERS	1570
91708755	SOLDERING & BRAZING MACHINE SETTERS & SET-UP OPS	1570
91711754	SOLDERING & BRAZING MACHINE OPERATORS & TENDERS	1570
91714752	STRUCTURAL METAL FABRICATORS	1600
91902776	PLASTIC MOLDING MACHINE SETTERS & SET-UP OPERATORS	1640
91908770	METAL MOLDING MACHINE SETTERS & SET-UP OPERATORS	1580
91911769	METAL MOLDING MACHINE OPERATORS & TENDERS	1580
91914763	FOUNDRY MOLD ASSEMBLY & SHAKEOUT WORKERS	1580
91917762	ELECTROLYTIC PLATING SET./OPER., M/P	1600
91917762	ELECTROLYTIC PLATING SET./OPER., M/P	1640
91921761	ELECTROLYTIC PLATING OPER., M/P	1600
91923773	NONELECTROLYTIC PLATING SET., M/P	1600
91926772	NONELECTROLYTIC PLATING OPER., M/P	1600
91928766	HEAT. EQUIP. SETTERS & SET-UP OPERATORS, MTL/PLAS	1590
91932767	HEAT TREATING MACHINE OPERATORS & TENDERS, MTL/PLS	1590
91935764	FURNACE OPERATORS & TENDERS	1580

OES CODES	CLUSTER TITLE	CLUSTER NO.
91938765	HEATERS, METAL AND PLASTIC	1600
92100777	ALL OTHER METAL & PLAST. MACH. SET./OPER.	1590
92100777	ALL OTHER METAL & PLAST. MACH. SET./OPER.	1600
92302814	SAWING MACHINE SETTERS & SET-UP OPERATORS	1650
92305812	HEAD SAWYERS	1650
92308813	SAWING MACHINE OPERATORS & TENDERS	1650
92311817	WOODWORKING MACHINE SETTERS & SET-UP OPERATORS	1650
92314816	WOODWORKING MACHINE OPERATORS & TENDERS	1650
92510788	PRINTING PRESS MACHINE SETTER/OPER.	1020
92512786	OFFSET LITHOGRAPHIC PRESS SETTERS & SET-UP OPS	1020
92515785	LETTERPRESS SETTERS & SET-UP OPERATORS	1020
92519790	ALL OTHER PRINTING PRESS SETTERS & SET-UP OPS	1020
92521793	PHOTOENGRAVING & LITHOGRAPHING PHOTOGRAPHERS	1020
92522797	SPEC. MAT. PRINTING MACHINE SETTERS & SET-UP OPS	1020
92524794	SCREEN PRINTING MACHINE SETTERS & SET-UP OPERATORS	1020
92525783	BINDERY MACHINE SETTERS & SET-UP OPERATORS	1030
92529799	ALL OTHER PRINTING RELATED SETTERS & SET-UP OPS	1020
92541795	TYPESETTING & COMPOSING MACHINE OPERATORS & TENDER	1020
92543789	PRINTING PRESS MACHINE OPERATORS & TENDERS	1020
92545792	PHOTENGRAVING & LITHOGRAPHING MACHINE OPS/TNDRS	1020
92546782	BINDERY MACHINE OPERATORS	1030
92549798	ALL OTHER PRINTING, BINDING, REL.	1020
92702809	TEXTILE MACHINE SETTERS & SET-UP OPERATORS	1450
92705808	TEXTILE MACHINE OPRATORS & TENDERS, WINDING	0820
92708801	EXT. & FORMING MACHINE OPS/TNDRS, SYNTHETIC FIBERS	1620
92711807	TEXTILE DRAW-OUT MACHINE OPERATOR	0820
92714805	TEXTILE DYEING MACHINE OPERATOR	0820
92717803	SEWING MACHINE OPERATORS, GARMENT	0820
92721804	SEWING MACHINE OPERATORS, NON-GARMENT	0900
92723848	SHOE SEWING MACHINE OPERATORS & TENDERS	1550
92726837	LAUNDRY & DRYCLEANING MACHINE OPS/TENDERS EXC. PRS	0930
92728802	PRESSING MACHINE OPS/TENDERS, TEXTILE/GARMENT/REL	0820
92728802	PRESSING MACHINE OPS/TENDERS, TEXTILE/GARMENT/REL	0930
92902832	ELECTRONIC SEMICONDUCTOR PROCESSORS	1170
92905838	MOTION PICTURE PROJECTIONISTS	1420
92908846	PHOTOGRAPHIC PROCESSING MACHINE OPERATORS/TENDERS	0980
92917825	COOKING MACHINE OPERATORS & TENDERS, FOOD/TOBACCO	0850
92921826	ROASTING MACHINE OPERATORS & TENDERS, FOOD/TOBACCO	0850
92923836	FURNACE, KILN OR KETTLE OPERATORS/TENDERS	1620
92926819	LOW PRESSURE BOILER OPERATOR	1500
92928853	COOLING, FREEZING EQUIP. OPERATOR	1190
92932831	DAIRY PROCESSING EQUIP OPERATORS, INCL. SETTERS	0850
92935822	CHEMICAL EQUIPMENT CONTROLLERS & OPERATORS	1240
92938823	CHEMICAL EQUIPMENT TENDER	1240
92941830	CUTTING AND SPLICING SETTER/OPER.	1550
92944829	CUTTING & SLICING MACHINE OPERATORS & TENDERS	1550
92947844	PAINTERS, TRANSPORTATION EQUIPMENT	1380
92958852	CLEANING, PICKLING EQUIP. OPERATORS	0850
92965827	CRUSHING & MIXING MACHINE OPERATORS & TENDERS	0850
92965827	CRUSHING & MIXING MACHINE OPERATORS & TENDERS	1620
92968835	EXTRUDING & FORMING MACHINE SETTERS & SET-UP OPS	1620

OES CODES	CLUSTER TITLE	CLUSTER NO.
92971834	EXTRUDING & FORMING MACHINE OPERATORS & TENDERS	1620
92998851	ALL OTHER MACHINE OPERATORS & TENDERS	1550
93102858	AIRCRAFT STRUCTURE ASSEMBLY	1390
93105862	MACHINE BUILDERS & OTHR PRECISION MACHINE ASSMBLRS	1450
93108861	STRUCTURAL METAL FITTERS	1600
93111860	ELECTROMECHANICAL EQUIP. ASSEMBLERS, PRECISION	1180
93114859	ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS, PRECISN	1170
93114859	ELECTRICAL & ELECTRONIC EQUIP. ASSEMBLERS, PRECISN	1420
93117864	WATCH & CLOCK ASSEMBLERS & RELATED WORKERS, PRECIS	1540
93197865	ALL OTHER PRECISION ASSEMBLERS, METAL	1600
93905871	ELECTRICAL & ELECTRONIC ASSEMBLERS	1170
93905871	ELECTRICAL & ELECTRONIC ASSEMBLERS	1420
93908869	COIL WINDERS, TAPERS & FINISHERS	1170
93911883	GLAZIERS, MANUFACTURING	1470
93914881	WELDERS & CUTTERS	1570
93917880	SOLDERERS & BRAZERS	1570
93921878	PRESSERS, HAND	0930
93923879	SEWERS, HAND	0820
93928877	PORTABLE MACHINE CUTTERS	0820
93932887	CARPET CUTTERS, DIAGRAMMERS & SEAMERS	1470
93935868	CANNERY WORKERS	0850
93938874	MEAT, POULTRY & FISH CUTTERS & TRIMMERS, HAND	0860
93941875	METAL POURERS, BASIC SHAPES	1580
93944884	MOLDERS AND CASTERS, HAND	1620
93951888	ENGRAVING & PRINTING WORKERS, HAND	1020
93953872	GRINDING AND POLISHING, HAND	1580
93956885	ALL OTHER ASSEMBLERS & FABRICATORS	1550
93956885	ALL OTHER ASSEMBLERS & FABRICATORS	1600
93956885	ALL OTHER ASSEMBLERS & FABRICATORS	1650
93999889	ALL OTHER HAND WORKERS	0820
93999889	ALL OTHER HAND WORKERS	1550
93999889	ALL OTHER HAND WORKERS	1560
95002904	WATER & LIQUID WASTE TREATMENT PLANT & SYSTEM OPS	1230
95005901	GAS PLANT OPERATORS	1690
95008892	CHEMICAL PLANT & SYSTEM OPERATORS	1240
95011902	PETROLEUM PUMP SYSTEM OPERATORS	1690
95014900	PETROLEUM REFINERY & CONTROL PANEL OPERATORS	1290
95017899	GAUGERS	1690
95021896	POWER GEN. PLANT OPERATORS, EXC. AUXIL. EQUIP.	1220
95023906	AUXILIARY EQUIPMENT OPERATORS, POWER	1220
95028894	POWER DISTRIBUTORS & DISPATCHERS	1220
95032903	STATIONARY ENGINEERS	1500
95099907	ALL OTHER PLANT AND SYSTEM OCCUPATIONS	1220
95099907	ALL OTHER PLANT AND SYSTEM OCCUPATIONS	1240
97101916	TRUCK DRIVERS	1710
97108913	BUS DRIVERS	1710
97111914	BUS DRIVERS, SCHOOL	1710
97114915	TAXI DRIVERS & CHAUFFEURS	1710
97117917	DRIVER/SALES WORKERS	0380
97199921	ALL OTHER MOTOR VEHICLE OPERATORS	1710
97302925	RAILROAD CONDUCTORS & YARDMASTERS	1720

OES CODES	CLUSTER TITLE	CLUSTER NO.
97305923	LOCOMOTIVE ENGINEERS	1720
97308926	RAIL YARD ENGINEERS, DINKEY OPER.	1720
97311928	LOCOMOTIVE FIRERS	1720
97317924	RAILROAD BRAKE, SIGNAL, SWITCH OPER.	1720
97399930	ALL OTHER RAIL VEHICLE OPERATORS	1720
97502936	CAPTAINS, WATER VESSEL	1730
97508937	SHIP PILOTS	1730
97511945	MOTORBOAT OPERATORS	1730
97702910	AIRCRAFT PILOTS & FLIGHT ENGINEERS	1340
97802944	BRIDGE, LOCK, LIGHTHOUSE TENDERS	1730
97805942	SERVICE STATION ATTENDANTS	0390
97902955	LONGSHORE EQUIPMENT OPERATORS	1670
97905956	TANK CAR & TRUCK LOADERS	1690
97908957	OIL PUMPERS, EXCEPT WELL HEAD	1680
97911958	WELL HEAD PUMPERS	1680
97914959	MAIN LINE STATION ENGINEERS	1690
97917960	GAS PUMPING STATION OPERATORS	1690
97921961	GAS COMPRESSOR OPERATORS	1690
97923949	EXCAVATING & LOADING MACHINE OPERATORS	1660
97923949	EXCAVATING & LOADING MACHINE OPERATORS	1700
97926962	DRAGLINE OPERATORS	1660
97926962	DRAGLINE OPERATORS	1700
97928963	DREDGE OPERATORS & DIPPER TENDERS	1730
97932964	UNDERGROUND LOADING MACHINE OPERATORS	1700
97938950	GRADER, DOZER & SCRAPER OPERATORS	1660
97941951	HOIST & WINCH OPERATORS	1660
97941951	HOIST & WINCH OPERATORS	1670
97941951	HOIST & WINCH OPERATORS	1680
97944948	CRANE & TOWER OPERATORS	1660
97944948	CRANE & TOWER OPERATORS	1670
97947952	INDUSTRIAL TRUCK & TRACTOR OPERATORS	1670
97951966	CONVEYOR OPERATORS AND TENDERS	1670
97953967	PUMP OPERATORS	1690
97956953	OPERATING ENGINEERS	1660
97956953	OPERATING ENGINEERS	1700
97989969	ALL OTHER TRANSP., MATERIALS MOVING OPERATORS	1670
98102990	MECHANIC AND REPAIRER HELPERS	1500
98311978	HELPERS, MASONS & TILE SETTERS	1480
98312979	HELPERS, CARPENTERS & RELATED	1470
98313980	HELPERS, ELECTRICAL AND POWERLINE TRANSM. INSTALL.	1460
98314981	HELPERS, PAINTERS, PAPERHANGERS & RELATED	1470
98315982	HELPERS, PLUMBERS, PIPEFITTERS & STEAMFITTERS	1490
98316983	HELPERS, ROOFERS	1470
98319984	HELPERS, ALL OTHER CONSTRUCTION TRADES	1470
98323989	HELPERS, EXTRACTIVE WORKERS	1680
98323989	HELPERS, EXTRACTIVE WORKERS	1700
98702973	STEVEDORES, EXC. EQUIPMENT OPERATORS	1670
98705986	REFUSE COLLECTORS	1670
98799991	ALL HELPER, LABOR, MOVER	1670
98905987	VEHICLE, EQUIPMENT CLEANERS	1370

Alphabetical Listing By CLUSTER TITLES

CLUSTER TITLES	CLUSTER NO.
ACCOUNTING AND BOOKKEEPING	0180
ADMINISTRATION AND MANAGEMENT	0130
ADVERTISING	0340
AERONAUTICAL AND ASTRONAUTICAL ENGINEERING	1115
AERONAUTICAL TECHNOLOGY	1330
AGRICULTURAL ENGINEERING	1100
AGRICULTURAL POWER AND MACHINERY	0040
AGRICULTURAL PRODUCTION	0020
AGRICULTURAL SERVICES	0050
AGRICULTURAL SUPPLIES	0060
AIR TRAFFIC CONTROL	1350
AIRCRAFT MECHANICS	1390
AIRCRAFT PILOTING AND NAVIGATION	1340
ANIMAL CARETAKING AND VETERINARY ASSISTING	0120
APPAREL AND ACCESSORIES MARKETING	0400
APPLIANCE REPAIR	1430
ARCHITECTS AND LANDSCAPE ARCHITECTS	1760
AUTOMOTIVE BODY REPAIR	1380
AUTOMOTIVE SERVICE TECHNOLOGY	1370
AUTOMOTIVE VEHICLE AND ACCESSORIES MARKETING	0390
BANKING AND FINANCE	0190
BIOLOGICAL AND AGRICULTURAL TECHNOLOGY	1310
BIOMEDICAL EQUIPMENT TECHNOLOGY	1200
BOOKBINDING	1030
BUILDING MAINTENANCE	1500
BUSINESS AND PERSONAL SERVICES MARKETING	0370
CHEMICAL ENGINEERING	1040
CHEMICAL TECHNOLOGY	1240
CHILD CARE	0810
CHILD CARE MANAGEMENT	0800
CIVIL ENGINEERING	1050
CIVIL ENGINEERING TECHNOLOGY	1140
COMMERCIAL ART	1010
COMMUNICATIONS ELECTRONICS	1420
COMPUTER OPERATIONS	0160
COMPUTER PROGRAMMING	0150
CONSERVATION AND ENVIRONMENTAL SCIENCE TECHNOLOGY	0090
CONSTRUCTION AND BUILDING TRADES	1470
COSMETOLOGY AND BARBERING	0940
COURT REPORTING AND STENOGRAPHY	0240
CUSTOM GARMENT TAILORING, MENDING, AND ALTERATIONS	0830
DATA ENTRY EQUIPMENT OPERATIONS	0170
DENTAL ASSISTING	0480
DENTAL HYGIENE	0490
DENTAL LABORATORY TECHNOLOGY	0500
DENTISTRY	0470
DIESEL ENGINE MECHANICS	1400
DIETETIC ASSISTING	0880
DIETETICS AND NUTRITION	0870
DRAFTING, DESIGN, AND ENGINEERING TECHNOLOGY	1130
DRYCLEANING AND LAUNDERING SERVICES	0930

Alphabetical Listing By CLUSTER TITLES

CLUSTER TITLES	CLUSTER NO.
EDUCATIONAL ADMINISTRATORS AND SPECIALISTS	1800
EDUCATIONAL TEACHING AREAS, EXCL. POST SECONDARY	1820
EDUCATIONAL TEACHING AREAS, POST SECONDARY	1810
ELECTRICAL/ELECTRONICS ENGINEERING	1060
ELECTRICAL/ELECTRONICS EQUIPMENT REPAIR TECHNOLOGY	1170
ELECTRICAL/ELECTRONICS TECHNOLOGY	1160
ELECTRICIAN OCCUPATIONS	1460
ELECTROCARDIOGRAPHIC TECHNOLOGY	0570
ELECTROENCEPHALOGRAPHIC TECHNOLOGY	0580
ELECTROMECHANICAL TECHNOLOGY	1180
EMERGENCY MEDICAL TECHNOLOGY/PARAMEDIC	0590
ENGINEERING, OTHER	1120
ENGLISH	1900
ETHNIC, LIBERAL & INTERDISCIPLINARY STUDIES	1890
FARM AND RANCH MANAGEMENT	0010
FINANCIAL SERVICES MARKETING	0360
FINE AND APPLIED ARTS	1790
FIRE CONTROL AND SAFETY TECHNOLOGY	0970
FOOD PREPARATION AND SERVICE	0840
FOOD PROCESSING	0850
FOREIGN LANGUAGES	1910
FORESTRY PRODUCTION AND PROCESSING	0100
FREIGHT AND MATERIALS ORDERING AND HANDLING	0300
FUNERAL SERVICES	0950
GENERAL HORTICULTURE	0070
GENERAL OFFICE WORKERS	0280
GRAPHIC ARTS	1020
HEALTH SCIENCES, OTHER	0780
HEALTH SERVICES ADMINISTRATION	0750
HEALTH WORKERS, OTHER	0790
HEATING, COOLING AND REFRIGERATION TECHNOLOGY	1190
HEAVY EQUIPMENT MAINTENANCE	1440
HEAVY EQUIPMENT OPERATIONS	1660
HOME FURNISHINGS AND DECOR	0900
HOSPITALITY MANAGEMENT AND MARKETING	0440
HOUSEKEEPING AND JANITORIAL SERVICES	0910
INDUSTRIAL AND COMMERCIAL SALES	0410
INDUSTRIAL CERAMICS MANUFACTURING	1620
INDUSTRIAL ENGINEERING	1070
INDUSTRIAL MAINTENANCE	1450
INDUSTRIAL TECHNOLOGY	1250
INSURANCE ADMINISTRATION AND MARKETING	0320
INSURANCE CLERKS	0310
INTERIOR DESIGN	0890
JEWELRYMAKING	1630
LAW	0220
LEGAL ASSISTING	0230
LIBRARY AND ARCHIVAL SCIENCES	1850
LIBRARY ASSISTING	1860
LIFE SCIENTISTS	1880
LOCKSMITHING	1510

CLUSTER TITLES	CLUSTER NO.
MACHINE TOOL TECHNOLOGY	1590
MARINE MAINTENANCE	1740
MARKETING AND DISTRIBUTION	0380
MASONRY	1480
MATERIALS HANDLING AND MOVING OPERATORS	1670
MATHEMATICAL SPECIALISTS	1750
MEATCUTTING	0860
MECHANICAL ENGINEERING	1080
MEDIA (MASS) COMMUNICATIONS	1000
MEDICAL LABORATORY TECHNOLOGY	0600
MEDICAL OFFICE ASSISTING	0560
MEDICAL RECORDS TECHNOLOGY	0610
MEDICAL THERAPY, OTHER	0700
MENTAL HEALTH AND HUMAN SERVICES	0770
METAL MANUFACTURING	1580
METAL PATTERNMAKING	1610
METALLURGICAL AND MINING ENGINEERING	1090
MINING EQUIPMENT OPERATORS	1700
MINING TECHNOLOGY	1280
MUSICAL INSTRUMENT REPAIR	1520
NURSING ASSISTING	0540
NURSING, GENERAL	0520
OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY	1270
OCCUPATIONAL THERAPY	0630
OCCUPATIONAL THERAPY ASSISTING	0640
OFFICE SUPERVISION AND MANAGEMENT	0250
OIL RELATED OCCUPATIONS	1680
OPTICAL TECHNOLOGY	1210
OPTOMETRIC TECHNOLOGY	0720
OPTOMETRY	0710
ORNAMENTAL HORTICULTURE	0080
OTHER SCIENCE/ENGINEERING TECHNOLOGIES	1300
PERSONAL SERVICES	0920
PERSONNEL AND LABOR RELATIONS	0200
PETROLEUM ENGINEERING	1110
PETROLEUM TECHNOLOGY	1290
PHARMACY	0730
PHARMACY ASSISTING	0740
PHOTOGRAPHIC TECHNOLOGY	0980
PHYSICAL AND CORRECTIVE THERAPY ASSISTING	0660
PHYSICAL SCIENTISTS	1870
PHYSICAL THERAPY	0650
PHYSICIAN ASSISTING	0550
PHYSICIANS AND SURGEONS	0510
PLASTICS TECHNOLOGY	1640
PLUMBING AND PIPEFITTING	1490
POSTAL SERVICES	0210
PRACTICAL NURSING	0530
PROTECTIVE SERVICES	0960
PSYCHOLOGY	0760
PUMPING PLANT OPERATORS	1690

CLUSTER TITLES	CLUSTER NO.
PURCHASING	0350
QUALITY CONTROL TECHNOLOGY	1260
RADIO AND TELEVISION PRODUCTION	0990
RADIOLOGIC AND NUCLEAR MEDICINE TECHNOLOGIES	0670
RAIL AND TRACK OPERATIONS AND MAINTENANCE	1720
REAL ESTATE	0330
RECEPTIONISTS/COMMUNICATIONS SYSTEMS OPERATIONS	0290
RECREATIONAL MARKETING AND SERVICES	0460
RELIGIOUS OCCUPATIONS	1780
RESPIRATORY THERAPY	0680
RESTAURANT MANAGEMENT	0450
SECRETARIAL SERVICES	0260
SHEET METAL OPERATIONS	1600
SHOE REPAIR AND LEATHERWORKING	1550
SMALL ENGINE MECHANICS	1410
SOCIAL SCIENTISTS	1770
SPECIAL EDUCATION TEACHERS	1830
SPEECH PATHOLOGY AND AUDIOLOGY	0690
SPORTING GOODS REPAIR	1530
STATIONARY ENGINEERING TECHNOLOGY	1220
SURGICAL TECHNOLOGY	0620
SYSTEMS ANALYSIS	0140
TEACHER ASSISTING	1840
TEXTILE MANUFACTURING AND GARMENT CONSTRUCTION	0820
TEXTILE TECHNOLOGY	1320
TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT	1360
TRANSPORTATION MANAGEMENT AND SERVICES	0420
TRAVEL AND TOURISM	0430
TYPING AND WORD PROCESSING	0270
UPHOLSTERING	1560
URBAN PLANNING TECHNOLOGY	1150
VEHICLE DRIVING OCCUPATIONS	1710
VETERINARY MEDICINE	0110
WASTE AND WASTEWATER TECHNOLOGY	1230
WATCHMAKING	1540
WATER TRANSPORTATION OCCUPATIONS	1730
WELDING	1570
WILDLIFE MANAGEMENT	0030
WOODWORKING, GENERAL	1650

Numerical Listing By CLUSTER NUMBERS

CLUSTER NO.	CLUSTER TITLE
0010	FARM AND RANCH MANAGEMENT
0020	AGRICULTURAL PRODUCTION
0030	WILDLIFE MANAGEMENT
0040	AGRICULTURAL POWER AND MACHINERY
0050	AGRICULTURAL SERVICES
0060	AGRICULTURAL SUPPLIES
0070	GENERAL HORTICULTURE
0080	ORNAMENTAL HORTICULTURE
0090	CONSERVATION AND ENVIRONMENTAL SCIENCE TECHNOLOGY
0100	FORESTRY PRODUCTION AND PROCESSING
0110	VETERINARY MEDICINE
0120	ANIMAL CARETAKING AND VETERINARY ASSISTING
0130	ADMINISTRATION AND MANAGEMENT
0140	SYSTEMS ANALYSIS
0150	COMPUTER PROGRAMMING
0160	COMPUTER OPERATIONS
0170	DATA ENTRY EQUIPMENT OPERATIONS
0180	ACCOUNTING AND BOOKKEEPING
0190	BANKING AND FINANCE
0200	PERSONNEL AND LABOR RELATIONS
0210	POSTAL SERVICES
0220	LAW
0230	LEGAL ASSISTING
0240	COURT REPORTING AND STENOGRAPHY
0250	OFFICE SUPERVISION AND MANAGEMENT
0260	SECRETARIAL SERVICES
0270	TYPING AND WORD PROCESSING
0280	GENERAL OFFICE WORKERS
0290	RECEPTIONISTS/COMMUNICATIONS SYSTEMS OPERATIONS
0300	FREIGHT AND MATERIALS ORDERING AND HANDLING
0310	INSURANCE CLERKS
0320	INSURANCE ADMINISTRATION AND MARKETING
0330	REAL ESTATE
0340	ADVERTISING
0350	PURCHASING
0360	FINANCIAL SERVICES MARKETING
0370	BUSINESS AND PERSONAL SERVICES MARKETING
0380	MARKETING AND DISTRIBUTION
0390	AUTOMOTIVE VEHICLE AND ACCESSORIES MARKETING
0400	APPAREL AND ACCESSORIES MARKETING
0410	INDUSTRIAL AND COMMERCIAL SALES
0420	TRANSPORTATION MANAGEMENT AND SERVICES
0430	TRAVEL AND TOURISM
0440	HOSPITALITY MANAGEMENT AND MARKETING
0450	RESTAURANT MANAGEMENT
0460	RECREATIONAL MARKETING AND SERVICES
0470	DENTISTRY
0480	DENTAL ASSISTING
0490	DENTAL HYGIENE
0500	DENTAL LABORATORY TECHNOLOGY
0510	PHYSICIANS AND SURGEONS

CLUSTER NO.	CLUSTER TITLE
0520	NURSING, GENERAL
0530	PRACTICAL NURSING
0540	NURSING ASSISTING
0550	PHYSICIAN ASSISTING
0560	MEDICAL OFFICE ASSISTING
0570	ELECTROCARDIOGRAPHIC TECHNOLOGY
0580	ELECTROENCEPHALOGRAPHIC TECHNOLOGY
0590	EMERGENCY MEDICAL TECHNOLOGY/PARAMEDIC
0600	MEDICAL LABORATORY TECHNOLOGY
0610	MEDICAL RECORDS TECHNOLOGY
0620	SURGICAL TECHNOLOGY
0630	OCCUPATIONAL THERAPY
0640	OCCUPATIONAL THERAPY ASSISTING
0650	PHYSICAL THERAPY
0660	PHYSICAL AND CORRECTIVE THERAPY ASSISTING
0670	RADIOLOGIC AND NUCLEAR MEDICINE TECHNOLOGIES
0680	RESPIRATORY THERAPY
0690	SPEECH PATHOLOGY AND AUDIOLOGY
0700	MEDICAL THERAPY, OTHER
0710	OPTOMETRY
0720	OPTOMETRIC TECHNOLOGY
0730	PHARMACY
0740	PHARMACY ASSISTING
0750	HEALTH SERVICES ADMINISTRATION
0760	PSYCHOLOGY
0770	MENTAL HEALTH AND HUMAN SERVICES
0780	HEALTH SCIENCES, OTHER
0790	HEALTH WORKERS, OTHER
0800	CHILD CARE MANAGEMENT
0810	CHILD CARE
0820	TEXTILE MANUFACTURING AND GARMENT CONSTRUCTION
0830	CUSTOM GARMENT TAILORING, MENDING, AND ALTERATIONS
0840	FOOD PREPARATION AND SERVICE
0850	FOOD PROCESSING
0860	MEATCUTTING
0870	DIETETICS AND NUTRITION
0880	DIETETIC ASSISTING
0890	INTERIOR DESIGN
0900	HOME FURNISHINGS AND DECOR
0910	HOUSEKEEPING AND JANITORIAL SERVICES
0920	PERSONAL SERVICES
0930	DRYCLEANING AND LAUNDERING SERVICES
0940	COSMETOLOGY AND BARBERING
0950	FUNERAL SERVICES
0960	PROTECTIVE SERVICES
0970	FIRE CONTROL AND SAFETY TECHNOLOGY
0980	PHOTOGRAPHIC TECHNOLOGY
0990	RADIO AND TELEVISION PRODUCTION
1000	MEDIA (MASS) COMMUNICATIONS
1010	COMMERCIAL ART
1020	GRAPHIC ARTS

CLUSTER NO.	CLUSTER TITLE
1030	BOOKBINDING
1040	CHEMICAL ENGINEERING
1050	CIVIL ENGINEERING
1060	ELECTRICAL/ELECTRONICS ENGINEERING
1070	INDUSTRIAL ENGINEERING
1080	MECHANICAL ENGINEERING
1090	METALLURGICAL AND MINING ENGINEERING
1100	AGRICULTURAL ENGINEERING
1110	PETROLEUM ENGINEERING
1115	AERONAUTICAL AND ASTRONAUTICAL ENGINEERING
1120	ENGINEERING, OTHER
1130	DRAFTING, DESIGN, AND ENGINEERING TECHNOLOGY
1140	CIVIL ENGINEERING TECHNOLOGY
1150	URBAN PLANNING TECHNOLOGY
1160	ELECTRICAL/ELECTRONICS TECHNOLOGY
1170	ELECTRICAL/ELECTRONICS EQUIPMENT REPAIR TECHNOLOGY
1180	ELECTROMECHANICAL TECHNOLOGY
1190	HEATING, COOLING AND REFRIGERATION TECHNOLOGY
1200	BIOMEDICAL EQUIPMENT TECHNOLOGY
1210	OPTICAL TECHNOLOGY
1220	STATIONARY ENGINEERING TECHNOLOGY
1230	WASTE AND WASTEWATER TECHNOLOGY
1240	CHEMICAL TECHNOLOGY
1250	INDUSTRIAL TECHNOLOGY
1260	QUALITY CONTROL TECHNOLOGY
1270	OCCUPATIONAL SAFETY AND HEALTH TECHNOLOGY
1280	MINING TECHNOLOGY
1290	PETROLEUM TECHNOLOGY
1300	OTHER SCIENCE/ENGINEERING TECHNOLOGIES
1310	BIOLOGICAL AND AGRICULTURAL TECHNOLOGY
1320	TEXTILE TECHNOLOGY
1330	AERONAUTICAL TECHNOLOGY
1340	AIRCRAFT PILOTING AND NAVIGATION
1350	AIR TRAFFIC CONTROL
1360	TRADE AND INDUSTRIAL SUPERVISION AND MANAGEMENT
1370	AUTOMOTIVE SERVICE TECHNOLOGY
1380	AUTOMOTIVE BODY REPAIR
1390	AIRCRAFT MECHANICS
1400	DIESEL ENGINE MECHANICS
1410	SMALL ENGINE MECHANICS
1420	COMMUNICATIONS ELECTRONICS
1430	APPLIANCE REPAIR
1440	HEAVY EQUIPMENT MAINTENANCE
1450	INDUSTRIAL MAINTENANCE
1460	ELECTRICIAN OCCUPATIONS
1470	CONSTRUCTION AND BUILDING TRADES
1480	MASONRY
1490	PLUMBING AND PIPEFITTING
1500	BUILDING MAINTENANCE
1510	LOCKSMITHING
1520	MUSICAL INSTRUMENT REPAIR

CLUSTER NO.	CLUSTER TITLE
1530	SPORTING GOODS REPAIR
1540	WATCHMAKING
1550	SHOE REPAIR AND LEATHERWORKING
1560	UPHOLSTERING
1570	WELDING
1580	METAL MANUFACTURING
1590	MACHINE TOOL TECHNOLOGY
1600	SHEET METAL OPERATIONS
1610	METAL PATTERNMAKING
1620	INDUSTRIAL CERAMICS MANUFACTURING
1630	JEWELRYMAKING
1640	PLASTICS TECHNOLOGY
1650	WOODWORKING, GENERAL
1660	HEAVY EQUIPMENT OPERATIONS
1670	MATERIALS HANDLING AND MOVING OPERATORS
1680	OIL RELATED OCCUPATIONS
1690	PUMPING PLANT OPERATORS
1700	MINING EQUIPMENT OPERATORS
1710	VEHICLE DRIVING OCCUPATIONS
1720	RAIL AND TRACK OPERATIONS AND MAINTENANCE
1730	WATER TRANSPORTATION OCCUPATIONS
1740	MARINE MAINTENANCE
1750	MATHEMATICAL SPECIALISTS
1760	ARCHITECTS AND LANDSCAPE ARCHITECTS
1770	SOCIAL SCIENTISTS
1780	RELIGIOUS OCCUPATIONS
1790	FINE AND APPLIED ARTS
1800	EDUCATIONAL ADMINISTRATORS AND SPECIALISTS
1810	EDUCATIONAL TEACHING AREAS, POST SECONDARY
1820	EDUCATIONAL TEACHING AREAS, EXCL. POST SECONDARY
1830	SPECIAL EDUCATION TEACHERS
1840	TEACHER ASSISTING
1850	LIBRARY AND ARCHIVAL SCIENCES
1860	LIBRARY ASSISTING
1870	PHYSICAL SCIENTISTS
1880	LIFE SCIENTISTS
1890	ETHNIC, LIBERAL & INTERDISCIPLINARY STUDIES
1900	ENGLISH
1910	FOREIGN LANGUAGES

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By returning this survey you will have the option of being placed on our mailing list to receive the computerized version of the OCCUPATIONAL INFORMATION SYSTEM.

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